

# Cs202 post mid term

## Post assessments

### Post Midterm Topics no 74-189 week (7- 16)

jsaas

#### Assessment Quiz

Quiz Result: 2 out of 2

##### Assessment Attempt Detail

Question	Result
In Switch statement, when the JavaScript code interpreter reaches a _____keyword, it breaks out of the switch block.	✓ - Correct
In Switch statement, the _____keyword specifies the code to run if there is no case match.	✓ - Correct

Retake Quiz

#### Assessment Quiz

Which of the following is a correct way to access object properties?

- Select the correct option Reload Math Equations
- objectName.propertyName
  - objectName&&propertyName
  - objectName!!propertyName
  - objectName\$\$propertyName

#### Assessment Quiz

Question # 1 of 3

Time Left: 63 sec(s)

Which of the following is used for "and" Logical Operation?

- Select the correct option Reload Math Equations
- !
  - &&
  - <=
  - ==

### Assessment Quiz

The \_\_\_\_\_ property of an array returns the length of an array.

Select the correct option

[Reload Math Equations](#)

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Array_Length  |
| <input type="radio"/>            | Length-Array  |
| <input type="radio"/>            | LengthOfArray |
| <input checked="" type="radio"/> | length        |

### Assessment Quiz

In JavaScript, \_\_\_\_\_ are used to store multiple values in a single variable.

Select the correct option

[Reload Math Equations](#)

- |                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | Operators  |
| <input type="radio"/>            | constant   |
| <input type="radio"/>            | Exceptions |
| <input checked="" type="radio"/> | Arrays     |

### Assessment Quiz

Question # 1 of 1

Time Left: 82 sec(s)

JavaScript uses the \_\_\_\_\_ keyword to define variables.

Select the correct option

[Reload Math Equations](#)

- |                                  |       |
|----------------------------------|-------|
| <input type="radio"/>            | @var  |
| <input checked="" type="radio"/> | var   |
| <input type="radio"/>            | #var  |
| <input type="radio"/>            | \$var |

## Assessment Quiz

In Switch statement, when the JavaScript code interpreter reaches a \_\_\_\_\_keyword, it breaks out of the switch block.

Select the correct option

[Reload Math Equations](#)

- |                                  |         |
|----------------------------------|---------|
| <input checked="" type="radio"/> | break   |
| <input type="radio"/>            | finish  |
| <input type="radio"/>            | default |
| <input type="radio"/>            | exit    |

## Assessment Quiz

In Switch statement, the \_\_\_\_\_keyword specifies the code to run if there is no case match.

Select the correct option

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | break   |
| <input type="radio"/>            | new     |
| <input checked="" type="radio"/> | default |
| <input type="radio"/>            | code    |

# Comparison Operators

## Example

$x = \overline{5} \ \& \ \overline{1};$

The result in x: 1

5: 0101

1: 0001

Result: 0001

# Comparison Operators

For x = 5

Operator	Description	Comparing	Returns
==	equal to	x == 8 x == 5	false true
===	equal value and equal type	x === "5" x === 5	false true
!=	not equal	x != 8	true
!==	not equal value or not equal type	x !== "5" x !== 5	true false
>	greater than	x > 8	false
<	less than	x < 8	true
>=	greater than or equal to	x >= 8	false
<=	less than or equal to	x <= 8	true

## Comparison Operators

For x = 6 and y = 3

Operator	Description	Example
&&	and	(x < 10 && y > 1) is true
	or	(x == 5    y == 5) is false
!	not	!(x == y) is true

## Comparison Operators

Operator	Description	Example	Same as	Result	Decimal
&	AND	x = 5 & 1	0101 & 0001	0001	1
	OR	x = 5   1	0101   0001	0101	5
~	NOT	x = ~ 5	~0101	1010	10
^	XOR	x = 5 ^ 1	0101 ^ 0001	0100	4
<<	Left shift	x = 5 << 1	0101 << 1	1010	10
>>	Right shift	x = 5 >> 1	0101 >> 1	0010	2

# Conditional Statements

## Example

If time is less than 10:00, create a "Good morning" greeting, if not, but time is less than 20:00, create a "Good day" greeting, otherwise a "Good evening":

```
if (time < 10) {  
    greeting = "Good morning";  
} else if (time < 20) {  
    greeting = "Good day";  
} else {  
    greeting = "Good evening";  
}
```

## Assessment Quiz

### Question # 1 of 1

Use the \_\_\_\_\_ statement to specify a new condition if the first condition is false.

### Select the correct option

<input type="radio"/>	const
<input type="radio"/>	var
<input checked="" type="radio"/>	else if
<input type="radio"/>	default

## Assessment Quiz

Use the \_\_\_ statement to specify a block of JavaScript code to be executed if a condition is true.

Select the correct option

<input type="radio"/>	new
<input checked="" type="radio"/>	if
<input type="radio"/>	const
<input type="radio"/>	else

## Assessment Quiz

Question # 2 of 2

Use the \_\_\_\_\_ statement to specify a block of code to be executed if the condition is false.

Select the correct option

<input type="radio"/>	new
<input checked="" type="radio"/>	else
<input type="radio"/>	If
<input type="radio"/>	const

Assessment Quiz

The \_\_\_\_ operator is used for Increment.

Select the correct option

[Reload Math Equations](#)

- %
- ++
- /
- 

Assessment Quiz

The \_\_\_\_ operator is used for Increment.

Select the correct option

[Reload Math Equations](#)

- 
- %
- /
- ++

Assessment Quiz

Question # 1 of 1

Time Left: 77 sec(s)

Arrays with named indexes are called\_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

- indexed arrays
- typeof arrays
- default arrays
- associative arrays

## Assessment Quiz

Which of the following is JavaScript Arithmetic Operator?

Select the correct option

<input type="radio"/>	&&
<input checked="" type="radio"/>	+
<input type="radio"/>	
<input type="radio"/>	<=

## Assessment Quiz

\_\_\_\_\_ are actions that can be performed on objects.

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	Methods
<input type="radio"/>	Operands
<input type="radio"/>	parameters
<input type="radio"/>	Properties

## Assessment Quiz

The named values, in JavaScript objects, are called\_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	properties
<input type="radio"/>	Operands
<input type="radio"/>	Operators
<input type="radio"/>	Exceptions

## Assessment Quiz

### Question # 1 of 2

Use the \_\_\_\_\_ statement to specify a new condition if the first condition is false.

#### Select the correct option

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | default |
| <input checked="" type="radio"/> | else if |
| <input type="radio"/>            | var     |
| <input type="radio"/>            | const   |

## Assessment Quiz

Which of the following is used for "or" Logical Operation?

#### Select the correct option

[Reload Math Equations](#)

- |                                  |    |
|----------------------------------|----|
| <input checked="" type="radio"/> |    |
| <input type="radio"/>            | == |
| <input type="radio"/>            | !  |
| <input type="radio"/>            | <= |

## Assessment Quiz

Which of the following is used for "not" Logical Operation?

Select the correct option

<input type="radio"/>	<=
<input checked="" type="radio"/>	!
<input type="radio"/>	&&
<input type="radio"/>	==

## Assessment Quiz

Question # 1 of 1

Time Left: 55 sec(s)

The\_\_\_\_\_ operator in JavaScript returns "object" for arrays.

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	typeof
<input type="radio"/>	arrayof
<input type="radio"/>	arrayobj
<input type="radio"/>	typeobj

## Assessment Quiz

The \_\_\_\_\_ method adds a new element to an array (at the end).

Select the correct option

[Reload Math Equations](#)

- concat()
- slice()
- push()
- reverse()

## Assessment Quiz

**Quiz Duration:** 1 Minute(s), 30 Second(s)

**Quiz Result:** 1 out of 1

### Assessment Attempt Detail

Question	Result
Arrays with named indexes are called_____.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

**Quiz Result:** 1 out of 1

### Assessment Attempt Detail

Question	Result
In JavaScript, _____ are used to store multiple values in a single variable.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ method adds a new element to an array (at the end).	✓ - Correct
The _____method sorts an array alphabetically.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

Quiz Duration: 3 minute(s)

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
Which of the following is JavaScript Arithmetic Operator?	✓ - Correct
The _____ operator is used for Increment.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 3 out of 3

### Assessment Attempt Detail

Question	Result
Which of the following is used for "and" Logical Operation?	✓ - Correct
Which of the following is used for "or" Logical Operation?	✓ - Correct
Which of the following is used for "not" Logical Operation?	✓ - Correct

## Assessment Quiz

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
The _____ property of an array returns the length of an array.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ method returns a string, with a number rounded and written with a specified number of decimals.	✓ - Correct
_____ parses a string and returns a whole number.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ method returns a string, with a number rounded and written with a specified number of decimals.	✓ - Correct
The named values, in JavaScript objects, are called_____.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 3 Minute(s)

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
Use the ___ statement to specify a block of JavaScript code to be executed if a condition is true.	✓ - Correct
Use the ___ statement to specify a block of code to be executed if the condition is false.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 3 Minute(s)

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
Use the ___ statement to specify a block of JavaScript code to be executed if a condition is true.	✓ - Correct
Use the _____ statement to specify a new condition if the first condition is false.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 1 Minute(s), 30 Second(s)

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
JavaScript uses the _____ keyword to define variables.	✓ - Correct

Retake Quiz

Assessment Quiz

Quiz Result: 1 out of 1

Assessment Attempt Detail

Question	Result
The _____ operator in JavaScript returns "object" for arrays.	✓ - Correct

Retake Quiz

Assessment Quiz

The \_\_\_\_\_ method slices out a piece of an array into a new array.

Select the correct option

Reload Math Equations

- reverse()
- slice()
- sort()
- concat()

## Assessment Quiz

The \_\_\_\_\_ method returns a string, with a number rounded and written with a specified number of decimals.

Select the correct option

[Reload Math Equations](#)

- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | Number()         |
| <input type="radio"/>            | StringtoNumber() |
| <input checked="" type="radio"/> | toFixed()        |
| <input type="radio"/>            | toNumber()       |

## Assessment Quiz

Question 1 of 2

Time Left: 00:55:00

The \_\_\_\_\_ method sorts an array alphabetically.

Select the correct option

[Reload Math Equations](#)

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | sort_Asc () |
| <input type="radio"/>            | arraySort() |
| <input type="radio"/>            | asc_Sort()  |
| <input checked="" type="radio"/> | sort()      |

Assessment Quiz

Question # 1 of 1

Time Left: 72 sec(s)

A type of function, which is passed as a parameter to another function is \_\_\_\_\_.

Select the correct option

Reload Math Equations

- Callback function
- Event
- Trigger
- Response function

Assessment Quiz

Question # 2 of 2

Time Left: 75 sec(s)

XMLHttpRequest object does NOT use \_\_\_\_\_ method.

Select the correct option

Reload Math Equations

- open()
- setRequestHeader()
- close()
- send()

Assessment Quiz

Question # 2 of 2

Time Left: 76 sec(s)

There is a property of XMLHttpRequest object namely readyState. Value \_\_\_\_\_ of readyState indicates that the request is not initialized.

Select the correct option

Reload Math Equations

- 0
- 1
- 3
- 2

Assessment Quiz

Question # 1 of 2

Time Left: 67 sec(s)

Older versions of Internet Explorer utilize \_\_\_\_\_ to create an XMLHttpRequest object.

Select the correct option

Reload Math Equations

- XML object
- JavaX object
- ActiveX object
- HTTP object

Assessment Quiz

Question # 1 of 2

Time Left: 71 sec(s)

\_\_\_\_\_ is a property of XMLHttpRequest object.

Select the correct option

Reload Math Equations

- oncontentchange
- onreadystatechange
- onreceive request
- onDOMload

Assessment Quiz

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
There is a property of XMLHttpRequest object namely readyState. Value 4 of readyState indicates _____.	✓ - Correct
There is a property of XMLHttpRequest object namely readyState. Value _____ of readyState indicates that the request is not initialized.	✓ - Correct

Retake Quiz

## Assessment Quiz

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
Older versions of Internet Explorer utilize _____ to create an XMLHttpRequest object.	✓ - Correct
XMLHttpRequest object does NOT use _____ method.	✓ - Correct

Retake Quiz

## Assessment Quiz

Question # 2 of 2

Time Left: 75 sec(s)

There is a property of XMLHttpRequest object namely readyState. Value 4 of readyState indicates \_\_\_\_\_.

Select the correct option

Reload Math Equations

- Request finished and response is ready
- Processing of request
- Server connection established
- Request received

## Assessment Quiz

Which of the following statements can change the background-color of all span elements to red?

Select the correct option

[Reload Math Equations](#)

- `$(“span”).css(“background-color”,“red”);`
- `$(“span”).style(“background-color”,“red”);`
- `$(“span”).manipulate(“background-color”,“red”);`
- `$(“span”).layout(“background-color”,“red”);`

## Assessment Quiz

The \_\_\_\_\_ tag creates a horizontal line in an HTML page.

Select the correct option

[Reload Math Equations](#)

- `<b>`
- `<hr>`
- `<h1>`
- `<a>`

## Assessment Quiz

\_\_\_\_\_ defines the most important heading.

Select the correct option

[Reload Math Equations](#)

- `<h3>`
- `<h6>`
- `<h1>`
- `<h5>`

# HTML5 Audio

## HTML Audio - Browser Support

Browser	MP3	Wav	Ogg
Internet Explorer	YES	NO	NO
Chrome	YES	YES	YES
Firefox	YES	YES	YES
Safari	YES	YES	NO
Opera	YES	YES	YES

# HTML5 Audio

## HTML Audio - Media Types

File Format	Media Type
MP3	audio/mpeg
Ogg	audio/ogg
Wav	audio/wav

## Assessment Quiz

### Pre-Assessment

**Total Question:** 2

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

#### Assessment Attempt Detail

Question	Result
XSLT stands for:	✓ - Correct
Which of the following can be used to describe the structure of an XML document?	✓ - Correct

Retake Quiz

## Assessment Quiz

### Post-Assessment

**Total Question:** 1

**Quiz Duration:** 1 Minute(s), 30 Second(s)

**Quiz Result:** 1 out of 1

#### Assessment Attempt Detail

Question	Result
XSL (eXtensible Stylesheet Language) is a styling language for -----.	✓ - Correct

Retake Quiz

## Assessment Quiz

**Quiz Result:** 2 out of 2

#### Assessment Attempt Detail

Question	Result
There is a property of XMLHttpRequest object namely readyState. Value 4 of readyState indicates -----.	✓ - Correct
There is a property of XMLHttpRequest object namely readyState. Value _____ of readyState indicates that the request is not initialized.	✓ - Correct

Retake Quiz

### Assessment Quiz

To read response from server as a string or XML, \_\_\_\_\_ property is used.

Select the correct option

[Reload Math Equations](#)

- |                                  |                |
|----------------------------------|----------------|
| <input checked="" type="radio"/> | responseXML    |
| <input type="radio"/>            | responseString |
| <input type="radio"/>            | responseData   |
| <input type="radio"/>            | responseText   |

### Assessment Quiz

Which of the following can be used to describe the structure of an XML document?

Select the correct option

[Reload Math Equations](#)

- |                                  |                             |
|----------------------------------|-----------------------------|
| <input checked="" type="radio"/> | Both XML Schema and XML DTD |
| <input type="radio"/>            | XML DTD                     |
| <input type="radio"/>            | XML Schema                  |
| <input type="radio"/>            | None of the given options   |

### Assessment Quiz

Question # 1 of 1

Time Left: 81 sec(s)

XSL (eXtensible Stylesheet Language) is a styling language for \_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

- |                                  |       |
|----------------------------------|-------|
| <input type="radio"/>            | AJAX  |
| <input checked="" type="radio"/> | XML   |
| <input type="radio"/>            | XPath |
| <input type="radio"/>            | HTML  |

## Assessment Quiz

XSLT stands for:

### Select the correct option

- eXternal Stylesheet Language Transformations
- eXtensive Stylesheet Language Transformations
- eXtensible Stylesheet Language Transformations

## Assessment Quiz

**Quiz Duration:** 1 Minute(s), 30 Second(s)

**Quiz Result:** 1 out of 1

### Assessment Attempt Detail

Question	Result
Which of the following statements can change the background-color of all span elements to red?	✔ - Correct

Retake Quiz

Assessment Quiz

Question # 1 of 3

Time Left: 80 sec(s)

The HTML \_\_\_\_\_ element defines italic text.

Select the correct option

[Reload Math Equations](#)

- <i\$>
- <b>
- <i>
- <br>

Assessment Quiz

Question # 2 of 3

Time Left: 76 sec(s)

HTML elements can be \_\_\_\_\_ this means that elements can contain other elements.

Select the correct option

[Reload Math Equations](#)

- Strict
- Not Nested
- Nested
- Constant

Assessment Quiz

Question # 1 of 3

Time Left: 80 sec(s)

The \_\_\_\_\_ property defines the text size to be used for an HTML element.

Select the correct option

[Reload Math Equations](#)

- Font-Format
- Font-size
- Font-Scaling
- Font-Sizing\$

Assessment Quiz

Quiz Duration: 4 Minute(s), 30 Second(s)

Quiz Result: 3 out of 3

Assessment Attempt Detail

Question	Result
HTML elements can be _____ this means that elements can contain other elements.	✓ - Correct
The HTML _____ element defines italic text.	✓ - Correct
The HTML _____ element defines programming code.	✓ - Correct

Retake Quiz

Assessment Quiz

This is a paragraph.

Select the correct option

- <p style="color:red">This is a paragraph.</p>
- <p style="text-color:red">This is a paragraph.</p>
- <p style="fontcolor:red">This is a paragraph.
- <p style="font-color:red">This is a paragraph.</p>

Assessment Quiz

Which of the following is correct with respect to HTML5?

Select the correct option

Reload Math Equations

- <table CLASS=table striped>
- <table class=TABLE STRIPED>
- <table class="table striped">
- <table class=table striped>

Assessment Quiz

In HTML5, it is \_\_\_\_\_ to close empty elements

Select the correct option

[Reload Math Equations](#)

- Sometimes Mandatory
- Always Optional
- Always Mandatory
- Sometimes Optional

Assessment Quiz

Question # 1 of 1

Time Left: 76 sec(s)

According to best practices, Try to avoid code lines longer than\_\_\_\_\_ characters.

Select the correct option

[Reload Math Equations](#)

- 90
- 50
- 80
- 100

Assessment Quiz

Question # 1 of 3

Time Left: 67 sec(s)

In HTML, links are defined with the \_\_\_\_\_ tag.

Select the correct option

[Reload Math Equations](#)

- <h>
- <a>
- <p>
- <hr>

Assessment Quiz

An iframe can be used as the target frame for a link. The target attribute of the link must refer to the \_\_\_\_\_ attribute of the iframe.

Select the correct option

[Reload Math Equations](#)

- alt
- name
- title
- src

Assessment Quiz

Question # 3 of 3

Time Left: 74 sec(s)

\_\_\_\_\_ defines a property for an element.

Select the correct option

[Reload Math Equations](#)

- Attribute
- Closing Tag
- Starting Tag
- Body

Assessment Quiz

Question # 2 of 3

Time Left: 77 sec(s)

The HTML \_\_\_\_\_ element defines bold text.

Select the correct option

[Reload Math Equations](#)

- <br>
- <bold\$>
- <b>
- <hr>

## Assessment Quiz

By default, an iframe has a black border around it. To remove the border, add the style attribute and use the CSS \_\_\_\_\_ property.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	Rect
<input checked="" type="radio"/>	Border
<input type="radio"/>	Frame
<input type="radio"/>	Structure

## Assessment Quiz

**Quiz Duration:** 4 Minute(s), 30 Second(s)

**Quiz Result:** 3 out of 3

**Assessment Attempt Detail**

Question	Result
Choose the correct statement to apply red color on following paragraph using style attribute.	✓ - Correct
The _____ property defines the text size to be used for an HTML element.	✓ - Correct
The HTML _____ element defines a mathematical variable.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

In HTML, colors can be specified as:

Select the correct option

<input type="radio"/>	RGB colors
<input type="radio"/>	Color names
<input type="radio"/>	Hexadecimal colors
<input type="radio"/>	All of the given options

Assessment Quiz

columns property is a shorthand property for setting \_\_\_\_\_and \_\_\_\_\_.

Select the correct option

Reload Math Equations

- column-height, column-width
- column-colors, column-count
- column-width, column-count
- column-height, column-count

Assessment Quiz

By Default HTML <canvas> has no \_\_\_\_\_ and no \_\_\_\_\_.

Select the correct option

Reload Math Equations

- content , properties
- properties, placate
- border , content
- border, properties

Assessment Quiz

Question # 1 of 2

Time Left: 63 sec(s)

\_\_\_\_\_in HTML represents some kind of structure or semantics and generally consists of a start tag, content, and an end tag.

Select the correct option

Reload Math Equations

- Frame
- Element
- Structure
- Skeleton

Assessment Quiz

Question # 1 of 1

Time Left: 81 sec(s)

We can use \_\_\_\_\_ and \_\_\_\_\_ tags to include HTML in HTML.

Select the correct option

Reload Math Equations

- embed , object
- object , src
- insert , embed
- insert , src

Assessment Quiz

By HTML standards \_\_\_\_\_ video format is un supported.

Select the correct option

Reload Math Equations

- WebM
- OGG
- MP4
- flv

Assessment Quiz

Question # 1 of 3

Time Left: 66 sec(s)

The \_\_\_\_\_ property defines the font to be used for an HTML element.

Select the correct option

Reload Math Equations

- Font-Format
- Font-Color
- Font-Style\$
- Font-family


Assessment Quiz

Question # 1 of 2

Time Left: 51 sec(s)

In context of HTTP requests, \_\_\_\_\_ requests data from a specified resource, has limited length and can be cached by client.

Select the correct option

 Reload Math Equations

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | Extract |
| <input checked="" type="radio"/> | GET     |
| <input type="radio"/>            | Pull    |
| <input type="radio"/>            | Post    |

Assessment Quiz

In HTML, which of the following is an example hexadecimal color?

Select the correct option

 Reload Math Equations

- |                                  |                   |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | #00FF00           |
| <input type="radio"/>            | None of the above |
| <input type="radio"/>            | (0,0,FF)          |
| <input type="radio"/>            | 255, 255, 255     |


Assessment Quiz

Question # 1 of 2

Time Left: 59 sec(s)

The \_\_\_\_\_ tag creates a horizontal line in an HTML page.

Select the correct option

 Reload Math Equations

- |                                  |      |
|----------------------------------|------|
| <input type="radio"/>            | <b>  |
| <input type="radio"/>            | <h1> |
| <input checked="" type="radio"/> | <hr> |
| <input type="radio"/>            | <a>  |

Assessment Quiz

Question # 2 of 2

Time Left: 46 sec(s)

The \_\_\_\_\_ attribute specifies the URL of the page the link goes to.

Select the correct option

[Reload Math Equations](#)

- URL
- Attach
- Href
- Link

Assessment Quiz

Question # 3 of 3

Time Left: 71 sec(s)

The \_\_\_\_\_ element defines the whole document.

Select the correct option

[Reload Math Equations](#)

- <p>
- <html>
- <Body>
- <Head>

Assessment Quiz

Question # 2 of 2

Time Left: 67 sec(s)

\_\_\_\_\_ is a secure version of HTTP.

Select the correct option

[Reload Math Equations](#)

- HTML
- HTTPS
- XML
- SSL

### Assessment Quiz

Correct syntax of drawImage() method is \_\_\_\_\_

Select the correct option

[Reload Math Equations](#)

- drawImage(image,border,xy)
- drawImage(image,xy)
- drawImage(image,style)
- drawImage(image, background)

### Assessment Quiz

SVG graphics are resolution \_\_\_\_\_

Select the correct option

[Reload Math Equations](#)

- reliant
- Independent
- sustained
- dependent

### Assessment Quiz

The HTML \_\_\_\_\_ tag is used to specify an inline frame.

Select the correct option

- <emdframe>
- <inlineframe>
- <iframe>
- <inframe>

## Assessment Quiz

After creating the rectangular canvas area, you must add a \_\_\_\_\_ to the drawing.

Select the correct option

[Reload Math Equations](#)

- |                                  |            |
|----------------------------------|------------|
| <input checked="" type="radio"/> | JavaScript |
| <input type="radio"/>            | XML        |
| <input type="radio"/>            | BootStrap  |
| <input type="radio"/>            | CSS        |

## Assessment Quiz

What is the last tag in a well-behaved html file?

Select the correct option

[Reload Math Equations](#)

- |                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | </doctype> |
| <input checked="" type="radio"/> | </html>    |
| <input type="radio"/>            | </body>    |
| <input type="radio"/>            | </head>    |

## Assessment Quiz

The \_\_\_\_\_ attribute specifies where to open the linked document.

Select the correct option

[Reload Math Equations](#)

- |                                  |        |
|----------------------------------|--------|
| <input type="radio"/>            | id     |
| <input checked="" type="radio"/> | href   |
| <input type="radio"/>            | alt    |
| <input type="radio"/>            | target |

## Assessment Quiz

The HTML \_\_\_\_\_ element defines marked or highlighted text.

Select the correct option

[Reload Math Equations](#)

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | <@mark>       |
| <input type="radio"/>            | <highlight\$> |
| <input checked="" type="radio"/> | <mark>        |
| <input type="radio"/>            | <mark\$>      |

## Assessment Quiz

Which two methods are used to draw a straight line on HTML canvas?

Select the correct option

[Reload Math Equations](#)

- |                                  |                    |
|----------------------------------|--------------------|
| <input type="radio"/>            | drawTo(),moveTo()  |
| <input checked="" type="radio"/> | moveTo(),lineTo()  |
| <input type="radio"/>            | drawTo() ,lineTo() |
| <input type="radio"/>            | drawTo(),Stroke()  |

## Assessment Quiz

Which of the following javascript method draws text on the canvas with no fill?

Select the correct option

[Reload Math Equations](#)

- |                                  |              |
|----------------------------------|--------------|
| <input checked="" type="radio"/> | strokeText() |
| <input type="radio"/>            | fillText()   |
| <input type="radio"/>            | nofillText() |
| <input type="radio"/>            | holoText()   |

Assessment Quiz

Question # 1 of 2

Time Left: 53 sec(s)

PHP is a \_\_\_\_\_.

Select the correct option

Reload Math Equations

- Client Machine
- Server machine
- Server-side scripting language
- Client-Side scripting language

Assessment Quiz

The HTML \_\_\_\_\_ element defines a short quotation.

Select the correct option

Reload Math Equations

- <abbr>
- <blockquote>
- <address>
- <q>

Assessment Quiz

Quiz Duration: 4 Minute(s), 30 Second(s)

Quiz Result: 3 out of 3

Assessment Attempt Detail

Question	Result
In HTML, colors can be specified as:	- Correct
In HTML which of the following is an example hexadecimal color?	- Correct
By default, an iframe has a black border around it. To remove the border, add the style attribute and use the CSS _____ property.	- Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 3 Minute(s)

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
_____ is a secure version of HTTP.	✓ - Correct
The _____ tag creates a horizontal line in an HTML page.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 3 out of 3

### Assessment Attempt Detail

Question	Result
The HTML _____ element defines a short quotation.	✓ - Correct
The HTML _____ element defines marked or highlighted text.	✓ - Correct
In HTML, links are defined with the _____ tag.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
Which of the following JavaScript function will be used to set the initial drawing point in HTML canvas?	✓ - Correct
By Default HTML <canvas> has no _____ and no _____.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
By Default HTML <canvas> has no _____ and no _____.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
Which of the following javascript method draws text on the canvas with no fill?	✔ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 3 Minute(s)

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
In context of HTTP requests, _____ requests data from a specified resource, has limited length and can be cached by client.	✔ - Correct
With the help of _____ a web browser can distinguish between an HTML content and a simple content.	✔ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
SVG Stands for _____	✔ - Correct
.ogg format is developed by _____.	✔ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
_____ in HTML represents some kind of structure or semantics and generally consists of a start tag, content, and an end tag.	✔ - Correct
The _____ attribute specifies the URL of the page the link goes to.	✔ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 3 out of 3

### Assessment Attempt Detail

Question	Result
In HTML, colors can be specified as:	✓ - Correct
An iframe can be used as the target frame for a link. The target attribute of the link must refer to the _____ attribute of the iframe.	✓ - Correct
What is the last tag in a well-behaved html file?	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 4 Minute(s), 30 Second(s)

Quiz Result: 3 out of 3

### Assessment Attempt Detail

Question	Result
_____ defines a property for an element.	✓ - Correct
The HTML _____ element defines bold text.	✓ - Correct
The HTML _____ element defines a mathematical variable.	✓ - Correct

Retake Quiz

## Assessment Quiz

Question # 2 of 2

Time Left: 44 sec(s)

The <html> element is the \_\_\_\_\_ element and it defines the whole HTML document.

Select the correct option

Reload Math Equations

- Root
- Partial
- Secondary
- Child

Assessment Quiz

SVG Stands for\_\_\_\_\_

Select the correct option

[Reload Math Equations](#)

- Scalable Vector Graphics
- Scaled Vector Graphics
- Scalable Video Graphics
- Scaled Video Graphics

Assessment Quiz

Which of the following JavaScript function will be used to set the initial drawing point in HTML canvas?

Select the correct option

[Reload Math Equations](#)

- startfrom()
- moveto()
- setintial()
- setinceptive()

Assessment Quiz

With the help of\_\_\_\_\_, a web browser can distinguish between an HTML content and a simple content.

Select the correct option

[Reload Math Equations](#)

- Tags
- Rules
- Breaks
- Meta

Assessment Quiz

Question # 1 of 3

Time Left: 70 sec(s)

The HTML \_\_\_\_\_element defines a mathematical variable.

Select the correct option

Reload Math Equations

- <code>
- <kbd>
- <var>
- <samp>

Assessment Quiz

Question # 1 of 1

Time Left: 78 sec(s)

The correct syntax to add controls in <video> element:

Select the correct option

Reload Math Equations

- <video width="320" height="240" controls={play|pause}>
- <video width="320" height="240" controls="play |pause">
- <video width="320" height="240" controls>
- <video width="320" height="240" controls="true">

Assessment Quiz

.ogg format is developed by \_\_\_\_\_.

Select the correct option

Reload Math Equations

- Youtube
- Google
- Xiph.Org
- Oracle

How can we check if geolocation is supported?

Select the correct option

 Reload Math Equations

- `if(navigator.geolocation)`
- `if(navigator.geolocation.supported())`
- `if(geolocation.support())`
- `if(geolocation.supported())`

### Pre-Assessment

Total Question: 1

Quiz Duration: 1 Minute(s), 30 Second(s)

Quiz Result: 1 out of 1


#### Assessment Attempt Detail

Question	Result
How can we check if geolocation is supported?	✔ - Correct

Retake Quiz

What is the correct syntax to make <img> tag draggable?

Select the correct option

 Reload Math Equations

- `<draggableimg />`
- `<img draggable="true" />`
- `<img style="draggable" />`
- `<img type="draggable" />`

Which of the following stores data without any expiration date?

Select the correct option

Reload Math Equations

- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | window.constantStorage  |
| <input type="radio"/>            | window.sessionStorage   |
| <input type="radio"/>            | window.permanentStorage |
| <input checked="" type="radio"/> | window.localStorage     |

### Assessment Quiz

To enable application cache, we need to include the \_\_\_\_\_ attribute.

Select the correct option

Reload Math Equations

- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | manifest |
| <input type="radio"/>            | cache    |
| <input type="radio"/>            | storage  |
| <input type="radio"/>            | bonded   |

### Assessment Quiz

The manifest file has \_\_\_\_\_ sections.

Select the correct option

Reload Math Equations

- |                                  |   |
|----------------------------------|---|
| <input checked="" type="radio"/> | 3 |
| <input type="radio"/>            | 5 |
| <input type="radio"/>            | 4 |
| <input type="radio"/>            | 2 |

## Assessment Quiz

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
What is the correct syntax to check if the browser supports web workers?	✔ - Correct

Retake Quiz

## Assessment Quiz

What is the correct syntax to check if the browser supports web workers?

Select the correct option

Reload Math Equations

- `if(typeof(Worker) !== "undefined")`
- `if(web.worker.type!=="undefined")`
- `if(typeof(web.worker) !== "undefined")`
- `if(web.worker.isSupported())`

## Assessment Quiz

Question # 1 of 1

Time Left: 80 sec(s)

The \_\_\_\_\_ object is used to receive server-sent event notifications.

Select the correct option

Reload Math Equations

- SSE
- EventSource
- Servernoti
- ServerEvent

Assessment Quiz

Question # 2 of 2

Time Left: 81 sec(s)

The \_\_\_\_\_ method actually draws the path you have defined with all those moveTo() and lineTo() methods.

Select the correct option

Reload Math Equations

- getContext
- beginPath
- stroke
- strokeStyle

Assessment Quiz

Quiz Duration: 3 Minute(s)

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
The upper-left corner of the canvas has the coordinates	✓ - Correct
The _____ method actually draws the path you have defined with all those moveTo() and lineTo() methods.	✓ - Correct

Retake Quiz

Assessment Quiz

Question # 1 of 2

Time Left: 67 sec(s)

The upper-left corner of the canvas has the coordinates

Select the correct option

Reload Math Equations

- (1,1)
- (1,0)
- (0,1)
- (0,0)


Assessment Quiz

Question # 2 of 2

Time Left: 73 sec(s)

What is the sequence of border-radius values in CSS?

Select the correct option

 Reload Math Equations

- bottom-left, bottom-right, top-right, top-left
- top-left, top-right, bottom-right, bottom-left
- up, down, front, behind
- top, bottom, left, right

Assessment Quiz

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
What is the sequence of border-radius values in CSS?	✓ - Correct
The _____ property specifies the stack order of an element	✓ - Correct

Retake Quiz

The \_\_\_\_\_ property specifies the stack order of an element

Select the correct option

[Reload Math Equations](#)

- x-index
- d-index
- s-index
- z-index

In CSS3 Border radius property minimum \_\_\_\_\_ values must be given.


Select the correct option

[Reload Math Equations](#)

- 1
- 3
- 4
- 2

How can we check if geolocation is supported?

Select the correct option

 Reload Math Equations

- `if(navigator.geolocation)`
- `if(navigator.geolocation.supported())`
- `if(geolocation.support())`
- `if(geolocation.supported())`

### Pre-Assessment

Total Question: 1

Quiz Duration: 1 Minute(s), 30 Second(s)

Quiz Result: 1 out of 1


#### Assessment Attempt Detail

Question	Result
How can we check if geolocation is supported?	✔ - Correct

Retake Quiz

What is the correct syntax to make <img> tag draggable?

Select the correct option

 Reload Math Equations

- `<draggableimg />`
- `<img draggable="true" />`
- `<img style="draggable" />`
- `<img type="draggable" />`

Which of the following stores data without any expiration date?

Select the correct option

Reload Math Equations

- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | window.constantStorage  |
| <input type="radio"/>            | window.sessionStorage   |
| <input type="radio"/>            | window.permanentStorage |
| <input checked="" type="radio"/> | window.localStorage     |

### Assessment Quiz

To enable application cache, we need to include the \_\_\_\_\_ attribute.

Select the correct option

Reload Math Equations

- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | manifest |
| <input type="radio"/>            | cache    |
| <input type="radio"/>            | storage  |
| <input type="radio"/>            | bonded   |

### Assessment Quiz

The manifest file has \_\_\_\_\_ sections.

Select the correct option

Reload Math Equations

- |                                  |   |
|----------------------------------|---|
| <input checked="" type="radio"/> | 3 |
| <input type="radio"/>            | 5 |
| <input type="radio"/>            | 4 |
| <input type="radio"/>            | 2 |

## Assessment Quiz

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
What is the correct syntax to check if the browser supports web workers?	✔ - Correct

Retake Quiz

## Assessment Quiz

What is the correct syntax to check if the browser supports web workers?

Select the correct option

Reload Math Equations

- `if(typeof(Worker) !== "undefined")`
- `if(web.worker.type!=="undefined")`
- `if(typeof(web.worker) !== "undefined")`
- `if(web.worker.isSupported())`

## Assessment Quiz

Question # 1 of 1

Time Left: 80 sec(s)

The \_\_\_\_\_ object is used to receive server-sent event notifications.

Select the correct option

Reload Math Equations

- SSE
- EventSource
- Servernoti
- ServerEvent

Assessment Quiz

Question # 2 of 2

Time Left: 81 sec(s)

The \_\_\_\_\_ method actually draws the path you have defined with all those moveTo() and lineTo() methods.

Select the correct option

Reload Math Equations

- getContext
- beginPath
- stroke
- strokeStyle

Assessment Quiz

Quiz Duration: 3 Minute(s)

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
The upper-left corner of the canvas has the coordinates	✓ - Correct
The _____ method actually draws the path you have defined with all those moveTo() and lineTo() methods.	✓ - Correct

Retake Quiz

Assessment Quiz

Question # 1 of 2

Time Left: 67 sec(s)

The upper-left corner of the canvas has the coordinates

Select the correct option

Reload Math Equations

- (1,1)
- (1,0)
- (0,1)
- (0,0)


Assessment Quiz

Question # 2 of 2

Time Left: 73 sec(s)

What is the sequence of border-radius values in CSS?

Select the correct option

 Reload Math Equations

- bottom-left, bottom-right, top-right, top-left
- top-left, top-right, bottom-right, bottom-left
- up, down, front, behind
- top, bottom, left, right

Assessment Quiz

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
What is the sequence of border-radius values in CSS?	✓ - Correct
The _____ property specifies the stack order of an element	✓ - Correct

Retake Quiz

The \_\_\_\_\_ property specifies the stack order of an element

Select the correct option

[Reload Math Equations](#)

- x-index
- d-index
- s-index
- z-index

In CSS3 Border radius property minimum \_\_\_\_\_ values must be given.

Select the correct option

[Reload Math Equations](#)

- 1
- 3
- 4
- 2

Assessment Quiz

CSS3 background-clip property take \_\_\_\_\_ different values?

Select the correct option

Reload Math Equations

- 2
- 4
- 3
- 5

Assessment Quiz

Question # 2 of 3

Time Left: 78 sec(s)

CSS3 background-clip property take \_\_\_\_\_ different values?

Select the correct option

Reload Math Equations

- 5
- 3
- 4
- 2

# CSS3 Transforms

## 3D Transform Methods

Function	Description
<code>matrix3d</code>	Defines a 3D transformation, using a 4x4 matrix of 16 values
<code>translate3d(x,y,z)</code>	Defines a 3D translation
<code>translateX(x)</code>	Define 3D translation, using only the value for the X-axis
<code>translateY(y)</code>	Define 3D translation, using only the value for the Y-axis



Assessment Quiz

Question # 3 of 3

Time Left: 78 sec(s)

CSS3 border image property has \_\_\_\_ parts.

Select the correct option

[Reload Math Equations](#)

- two
- four
- three
- five

Assessment Quiz

Question # 2 of 3

Time Left: 69 sec(s)

CSS3 border image property slice image into \_\_\_\_ parts.

Select the correct option

[Reload Math Equations](#)

- two
- five
- nine
- seven

Assessment Quiz

Which of the following does not belong to CSS background property.

Select the correct option

[Reload Math Equations](#)

- background-recurrent
- background-attachment
- background-repeat
- background-clip

Assessment Quiz

Question # 3 of 3

Time Left: 61 sec(s)

If we set background-size property to \_\_\_\_\_ it will fill the entire container.

Select the correct option

[Reload Math Equations](#)

- wrap
- cover
- fill
- contain

Assessment Quiz

Which of the following does not belong to CSS background property.

Select the correct option

[Reload Math Equations](#)

- background-repeat
- background-clip
- background-attachment
- background-recurrent

Assessment Quiz

Question # 1 of 3

Time Left: 76 sec(s)

Which of the following is correct property to set image border in CSS3?

Select the correct option

[Reload Math Equations](#)

- image-border: url(border.png) 30 round;
- picture-border: url(border.png) 30 round;
- border-picture: url(border.png) 30 round;
- border-image: url(border.png) 30 round;

### Assessment Quiz

Which of the following does not belong to CSS3 background-origin property.

Select the correct option

[Reload Math Equations](#)

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | content-box   |
| <input checked="" type="radio"/> | border-shadow |
| <input type="radio"/>            | padding-box   |
| <input type="radio"/>            | border-box    |

### Assessment Quiz

A Webpage is said to be responsive if it \_\_\_\_\_ for different screen sizes.

Select the correct option

[Reload Math Equations](#)

- |                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="radio"/>            | does not change width            |
| <input checked="" type="radio"/> | adjusts automatically            |
| <input type="radio"/>            | does not change width and height |
| <input type="radio"/>            | does not change height           |

### Assessment Quiz

To add multiple shadows in CSS3 text shadow we use \_\_\_\_\_ between two shadows.

Select the correct option

[Reload Math Equations](#)

- |                                  |       |
|----------------------------------|-------|
| <input checked="" type="radio"/> | comma |
| <input type="radio"/>            | And   |
| <input type="radio"/>            | Tilde |
| <input type="radio"/>            | Dot   |

Which of the following does not belong to CSS3 background-origin property.

Select the correct option

Reload Math Equations

- content-box
- border-box
- border-shadow
- padding-box

## CSS3 3D Transform Properties

Property	Description
<a href="#"><u>transform</u></a>	Applies a 2D or 3D transformation to an element
<a href="#"><u>transform-origin</u></a>	Allows you to change the position on transformed elements
<a href="#"><u>transform-style</u></a>	Specifies how nested elements are rendered in 3D space

# CSS3 Gradients

## Example

```
#gradient {  
  background: -webkit-linear-gradient(180deg,  
    red, blue); /* For Safari 5.1 to 6.0 */  
  background: -o-linear-gradient(180deg, red,  
    blue); /* For Opera 11.1 to 12.0 */  
  background: -moz-linear-gradient(180deg,  
    red, blue); /* For Firefox 3.6 to 15 */  
  background: linear-gradient(180deg, red,  
    blue);  
}
```

# CSS3

## CSS3 border-image Property

The property has three parts:

- The image to use as the border
- Where to slice the image
- Define whether the middle sections should be repeated or stretched

# CSS3 Transitions

## transition-timing-function values:

- ease - specifies a transition effect with a slow start, then fast, then end slowly (this is default)
- linear - specifies a transition effect with the same speed from start to end
- ease-in - specifies a transition effect with a slow start

# CSS3 3D Transform Properties

Property	Description
<u>perspective</u>	Specifies the perspective on how 3D elements are viewed
<u>perspective-origin</u>	Specifies the bottom position of 3D elements
<u>backface-visibility</u>	Defines whether or not an element should be visible when not facing the screen

### Assessment Quiz

Question # 1 of 1

Time Left: 83 sec(s)

What is the drawback of testing responsiveness by resizing window?

Select the correct option

[Reload Math Equations](#)

- It does not change height of web page
- It does not resize images
- It does not change width of web page
- It does not give actual device experience

## Assessment Quiz

Which of the following are valid values for CSS3 text-overflow property?

Select the correct option

[Reload Math Equations](#)

<input checked="" type="radio"/>	clip, ellipsis
<input type="radio"/>	clip, coupler
<input type="radio"/>	clip, clasp
<input type="radio"/>	clip, crop

## Lesson# 171 – CSS3 Border Image

### Learning objectives

After completing this topic, a student will be able to :

- How to use images in borders using CSS3

### CSS Border Image Properties

The only required property for the border-image shorthand is border-image-source. The other properties default to their initial values if they're not specified. These are the border-image properties in order:

- border-image-source
- border-image-slice
- border-image-width

## Assessment Quiz

In HSL colors the range of hue is \_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	0 to 255
<input type="radio"/>	0 to 1
<input checked="" type="radio"/>	0 to 360
<input type="radio"/>	0 to 127

# CSS3 Colors

## HSL Colors

An HSL color value is specified with:  
hsl(hue, saturation, lightness)

- Hue is a degree on the color wheel (from 0 to 360):
  - 0 (or 360) is red
  - 120 is green
  - 240 is blue

### Assessment Quiz

To use CSS3 animation, you must first specify \_\_\_\_\_ for the animation.

Select the correct option

Reload Math Equations

- |                                  |                   |
|----------------------------------|-------------------|
| <input type="radio"/>            | x, y and z axis   |
| <input type="radio"/>            | duration          |
| <input type="radio"/>            | x and y axis only |
| <input checked="" type="radio"/> | keyframes         |

### Assessment Quiz

Which of the following is correct syntax to include meta tag related to viewport in HTML?

Select the correct option

Reload Math Equations

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | <code>&lt;meta name=" width=device-width, initial-scale=1.0" content="viewport" &gt;</code> |
| <input checked="" type="radio"/> | <code>&lt;meta name="viewport" content="width=device-width, initial-scale=1.0"&gt;</code>   |
| <input type="radio"/>            | <code>&lt;meta viewport="true" content="!doctype html"&gt;</code>                           |
| <input type="radio"/>            | <code>&lt;meta viewport="true" content="width=device-width, initial-scale=1.0"&gt;</code>   |

Question # 1 of 1

Time Left: 70 sec(s)

In CSS3 Border radius property minimum \_\_\_\_\_ values must be given.

Select the correct option

[Reload Math Equations](#)

- 4
- 2
- 1
- 3

We can multiple background images for an element in CSS using \_\_\_\_\_ property.

Select the correct option

[Reload Math Equations](#)

- background-image
- diverse- background
- multiple-background
- multifarious- background

Which of the following is true about CSS3 transform-style property

Select the correct option

[Reload Math Equations](#)

- Specifies the bottom position of 3D elements
- Specifies how nested elements are rendered in 3D space
- Applies a 2D or 3D transformation to an element
- Allows you to change the position on transformed elements

## Assessment Quiz

Which of the following is not a valid value for size parameter of Radial Gradient in CSS3?

Select the correct option

[Reload Math Equations](#)

- closest-side
- farthest-side
- adjacent-side
- closest-corner

## Assessment Quiz

Question # 1 of 2

Time Left: 81 sec(s)

The default value for animation-duration is \_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

- 0 s
- 10 ms
- 1 s
- 20 ms

## Assessment Quiz

Quiz Duration: 4 Minute(s), 30 Second(s)

Quiz Result: 3 out of 3

Assessment Attempt Detail

Question	Result
CSS3 background-clip property take _____ different values?	✓ - Correct
Which of the following does not belong to CSS3 background-origin property.	✓ - Correct
If we set background-size property to _____ it will fill the entire container.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
The valid range for alpha channel in RGBA colors is _____.	✓ - Correct
In HSL colors the range of hue is _____.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
Which of the following are valid values for CSS3 text-overflow property?	✓ - Correct
Which is of following is invalid value for CSS3 word-break property?	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 4 Minute(s), 30 Second(s)

Quiz Result: 3 out of 3

### Assessment Attempt Detail

Question	Result
Which of the following is correct property to set image border in CSS3?	✓ - Correct
CSS3 border image property has _____ parts.	✓ - Correct
CSS3 border image property slice image into ___ parts.	✓ - Correct

Retake Quiz

## Assessment Quiz

Quiz Duration: 1 Minute(s), 30 Second(s)

Quiz Result: 1 out of 1

### Assessment Attempt Detail

Question	Result
What is the drawback of testing responsiveness by resizing window?	✓ - Correct

Retake Quiz

Assessment Quiz

To create a radial gradient at least \_\_\_\_\_ colors must be defined.

Select the correct option

Reload Math Equations

- 5
- 2
- 3
- 4

Assessment Quiz

Question # 1011

Time Left: 00 sec(s)

Which of the following statement is correct for repeating linear gradient in CSS3?

Select the correct option

Reload Math Equations

- background-image: repeating-linear-gradient(red, yellow 10%, green 20%);
- background-image: incessant-linear-gradient(red, yellow 10%, green 20%);
- background-image: replicate-linear-gradient(red, yellow 10%, green 20%);
- background-image: repeat-linear-gradient(red, yellow 10%, green 20%);

Assessment Quiz

Quiz result: 2 out of 2

Assessment Attempt Detail

Question	Result
CSS3 background-clip property take _____ different values?	✓ - Correct
Which of the following does not belong to CSS3 background-origin property.	✓ - Correct

Retake Quiz

Assessment Quiz

Quiz Duration: 1 Minute(s), 30 Second(s)

Quiz Result: 1 out of 1

Assessment Attempt Detail

Question	Result
A Webpage is said to be responsive if it _____ for different screen sizes.	✓ - Correct

Retake Quiz

## Assessment Quiz

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
In context of CSS, the _____ points to the HTML element you want to style.	✓ - Correct
In context of CSS, the declaration block contains one or more declarations separated by_____.	✓ - Correct

Retake Quiz



## Assessment Quiz

**Quiz Duration:** 1 Minute(s), 30 Second(s)

**Quiz Result:** 1 out of 1

### Assessment Attempt Detail

Question	Result
Which of the following is correct syntax to include meta tag related to viewport in HTML?	✓ - Correct

Retake Quiz

## Assessment Quiz

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
CSS3 background-clip property take _____ different values?	✓ - Correct
Which of the following does not belong to CSS3 background-origin property.	✓ - Correct

Retake Quiz

# CSS3 Colors

## RGBA Colors

An RGBA color value is specified with:  
rgba(red, green, blue, alpha)

The alpha parameter is a number between 0.0 (fully transparent) and 1.0 (fully opaque).

### Assessment Quiz

Quiz Result: 2 out of 2

#### Assessment Attempt Detail

Question	Result
We can multiple background images for an element in CSS using _____ property.	✓ - Correct
Which of the following does not belong to CSS background property.	✓ - Correct

Retake Quiz

### Assessment Quiz

Which of the following is not a valid CSS3 3D transformation method?

Select the correct option

Reload Math Equations

- rotateY()
- rotateX()
- rotateXY()
- rotateZ()

Assessment Quiz

The transition-delay property specifies a delay in \_\_\_\_\_ for the transition effect.

Select the correct option

[Reload Math Equations](#)

- Seconds
- milliseconds
- Minutes
- microseconds

Assessment Quiz

Question # 1 of 2

Time Left: 73 sec(s)

In context of CSS, the \_\_\_\_\_ points to the HTML element you want to style.

Select the correct option

[Reload Math Equations](#)

- declaration
- property
- value
- selector

Assessment Quiz

In context of CSS, the declaration block contains one or more declarations separated by\_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

- hyphens
- Semicolons
- Forward slashes
- Back slashes

## Learning objectives

- To learn about CSS3 Transitions

## Transition + Transformation

In CSS3 we can combine Transition with Transforms, as we have studied Transforms earlier let's take an example of this concepts.

The following example adds a transition effect to the transformation:

```
div {  
  transition: width 2s, height 2s, transform 2s;  
}
```

# CSS3 Transitions

## transition-timing-function values:

- ease-out - specifies a transition effect with a slow end
- ease-in-out - specifies a transition effect with a slow start and end
- cubic-bezier(n,n,n,n) - lets you define your own values in a cubic-bezier function

## Assessment Quiz

The valid range for alpha channel in RGBA colors is \_\_\_\_\_.

Select the correct option

[Reload Math Equations](#)

- |                                  |             |
|----------------------------------|-------------|
| <input checked="" type="radio"/> | 0 to 1      |
| <input type="radio"/>            | -127 to 127 |
| <input type="radio"/>            | 0 to 127    |
| <input type="radio"/>            | 0 to 255    |

## Assessment Quiz

Which is of following is invalid value for CSS3 word-break property?

Select the correct option

[Reload Math Equations](#)

- |                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | break-word |
| <input type="radio"/>            | break-all  |
| <input checked="" type="radio"/> | keep-word  |
| <input type="radio"/>            | keep-all   |

We often divide our web page into \_\_\_\_\_ columns while making it responsive.

Select the correct option

[Reload Math Equations](#)

- |                                  |    |
|----------------------------------|----|
| <input type="radio"/>            | 11 |
| <input checked="" type="radio"/> | 12 |
| <input type="radio"/>            | 13 |
| <input type="radio"/>            | 10 |

If we set the max-width property to \_\_\_\_\_ then image will scale down if has to but will never scale up.

Select the correct option

[Reload Math Equations](#)

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | auto    |
| <input type="radio"/>            | fixed   |
| <input type="radio"/>            | riveted |
| <input checked="" type="radio"/> | 100%    |

## RWD – Grid View

### Building a Responsive Grid-View

All these columns should be floating to the left, and have a padding of 15px:

```
[class*="col-"] {  
  float: left;  
  padding: 15px;  
  border: 1px solid red;  
}
```

## RWD – Media Queries

### Add a Breakpoint

For screen smaller than 768px, each column should have a width of 100%:

```
.col-1 {width: 8.33%;} .col-2 {width: 16.66%;}  
.col-3 {width: 25%;}
```

```
@media only screen and (max-width: 768px) {  
  /* For mobile phones: */  
  [class*="col-"] {  
    width: 100%;  
  }  
}
```

## RWD – Grid View

### Building a Responsive Grid-View

```
<div class="row">  
  <div class="col-3">...</div>  
  <div class="col-9">...</div>  
</div>
```

# RWD – Grid View

## Building a Responsive Grid-View

- .col-1 {width: 8.33%;}
- .col-2 {width: 16.66%;}
- .col-3 {width: 25%;}
- .col-4 {width: 33.33%;}
- .col-5 {width: 41.66%;}
- .col-6 {width: 50%;}
- .col-7 {width: 58.33%;}
- .col-8 {width: 66.66%;}

```
63 </style>
64 </head>
65 <body>
66
67 <div class="header">
68   <h1>Chania</h1>
69 </div>
70
71 <div class="row">
72   <div class="col-3 menu">
73     <ul>
74       <li>The Flight</li>
75       <li>The City</li>
76       <li>The Island</li>
77       <li>The Food</li>
78     </ul>
79   </div>
80
81   <div class="col-3">
82     <h1>The City</h1>
83     <p>Chania is the capital of the Chania region on the island of Crete. The city can be divided in two par<
84     <p>Resize the browser window to see how the content respond to the resizing.</p>
85   </div>
86
87 </div>
88
89 <div class="footer">
90   Footer
91 </div>
92
93 </body>
94 </html>
95
```

Assessment Quiz

Question # 1 of 2

Time Left: 67 sec(s)

The <img> tag is empty, it contains attributes only, and \_\_\_\_\_.

Select the correct option

Reload Math Equations

- has only one closing tag
- has two closing tags
- does not have a closing tag
- has three closing tags

Assessment Quiz

A \_\_\_\_\_ is an arrangement of data in rows and columns.

Select the correct option

Reload Math Equations

- Cell
- Table
- Title
- Header

Assessment Quiz

Quiz Result: 1 out of 1

Assessment Attempt Detail

Question	Result
The _____ rule makes it possible to define different style rules for different media types in the same stylesheet.	✔ - Correct

Retake Quiz

## Assessment Quiz

If the max-width property is set to \_\_\_\_\_, the video player will scale down if it has to, but never scale up to be larger than its original size.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	scale
<input type="radio"/>	auto
<input type="radio"/>	contain
<input checked="" type="radio"/>	100%

## Assessment Quiz

Question # 1 of 1

Time Left: 64 sec(s)

Media query is a CSS technique introduced in CSS3. It uses the \_\_\_\_\_ rule to include a block of CSS properties only if a certain condition is true.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	#mediaquery
<input checked="" type="radio"/>	@media
<input type="radio"/>	@mediaquery
<input type="radio"/>	#media

## Assessment Quiz

The \_\_\_\_\_ rule makes it possible to define different style rules for different media types in the same stylesheet.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	@type
<input checked="" type="radio"/>	@media
<input type="radio"/>	@Multimedia
<input type="radio"/>	@lang

## Assessment Quiz

The Media Type \_\_\_\_\_ is used for printers.

Select the correct option

[Reload Math Equations](#)

<input type="radio"/>	aural
<input checked="" type="radio"/>	print
<input type="radio"/>	Screen
<input type="radio"/>	braille

## Assessment Quiz

**Quiz Duration:** 1 Minute(s), 30 Second(s)

**Quiz Result:** 1 out of 1

**Assessment Attempt Detail**

Question	Result
We often divide our web page into _____ columns while making it responsive.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

**Quiz Result:** 1 out of 1

**Assessment Attempt Detail**

Question	Result
The Media Type _____ is used for printers.	✓ - Correct

[Retake Quiz](#)

## Assessment Quiz

**Quiz Duration:** 1 Minute(s), 30 Second(s)

**Quiz Result:** 1 out of 1

**Assessment Attempt Detail**

Question	Result
The correct syntax to add controls in <video> element:	✓ - Correct

[Retake Quiz](#)

Assessment Quiz

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
The <img> tag is empty, it contains attributes only, and _____.	✓ - Correct
You can use the _____ attribute to specify the width and height of an image.	✓ - Correct

Retake Quiz

Assessment Quiz

Quiz Duration: 1 Minute(s), 30 Second(s)

Quiz Result: 1 out of 1

Assessment Attempt Detail

Question	Result
If we set the max-width property to _____ then image will scale down if has to but will never scale up.	✓ - Correct

Retake Quiz

Assessment Quiz

You can use the \_\_\_\_\_ attribute to specify the width and height of an image.

Select the correct option

Reload Math Equations

- src
- alt
- id
- style

# RWD – Media Queries

## Example

```
/* For mobile phones: */  
[class*="col-"] {  
  width: 100%;  
}  
@media only screen and (min-width: 768px) {  
  /* For desktop: */  
  .col-1 {width: 8.33%;}  
  .col-2 {width: 16.66%;}  
  .col-3 {width: 25%;}
```

### Assessment Quiz

The correct syntax to add controls in <video> element:

Select the correct option

[Reload Math Equations](#)

- |                                  |   |
|----------------------------------|---|
| <input checked="" type="radio"/> | <video width="320" height="240" controls>               |
| <input type="radio"/>            | <video width="320" height="240" controls={play pause}>  |
| <input type="radio"/>            | <video width="320" height="240" controls="play  pause"> |
| <input type="radio"/>            | <video width="320" height="240" controls="true">        |

# RWD – Grid View

## Building a Responsive Grid-View

First we must calculate the percentage for one column:  $100\% / 12 \text{ columns} = 8.33\%$ .

Then we make one class for each of the 12 columns, class="col-" and a number defining how many columns the section should span.

Cs202

# Post assessments

Post Midterm Topics no :week 7 p(2)

# JavaScript Hoisting

## Example

```
var x = 5; // Initialize x  
var y = 7; // Initialize y
```

```
elem = document.getElementById("demo");  
// Find an element
```

```
elem.innerHTML = x + " " + y;  
// Display x and y as 57
```

# JavaScript Type Conversion

Original Value	Converted to Number	Converted to String	Converted to Boolean
NaN	NaN	"NaN"	false
<u>Infinity</u>	Infinity	<u>"Infinity"</u>	<u>true</u>
<u>-Infinity</u>	-Infinity	<u>"-Infinity"</u>	<u>true</u>
<u>""</u>	<u>0</u>	""	<u>false</u>
<u>"20"</u>	20	"20"	<u>true</u>
<u>VUwenty"</u>	<u>NaN</u>	"twenty"	true

## Assessment Quiz

### Question # 1 of 1

-----can execute a block of code a number of times.

### Select the correct option

<input checked="" type="radio"/>	Loops
<input type="radio"/>	Variables
<input type="radio"/>	Exceptions
<input type="radio"/>	operators

## Assessment Quiz

### Question # 1 of 2

The \_\_\_\_\_ property returns the constructor function for all JavaScript variables.

#### Select the correct option

<input type="radio"/>	const
<input type="radio"/>	const-function
<input checked="" type="radio"/>	constructor
<input type="radio"/>	function-constructor

## JavaScript Type Conversion

Anything else converts to NaN (Not a number).

Number("3.14") // returns 3.14

Number(" ") // returns 0

Number("") // returns 0

Number("99 88") // returns NaN

## Assessment Quiz

### Question # 2 of 2

The global method \_\_\_\_\_ can convert dates to strings.

#### Select the correct option

- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | Number()         |
| <input type="radio"/>            | Date-to-string() |
| <input checked="" type="radio"/> | String()         |
| <input type="radio"/>            | parseInt()       |

## Assessment Quiz

### Question # 2 of 2

If your browser supports debugging, you can use \_\_\_\_\_ to display JavaScript values in the debugger window.

#### Select the correct option

- |                                  |                           |
|----------------------------------|---------------------------|
| <input checked="" type="radio"/> | console.log()             |
| <input type="radio"/>            | catch(err)                |
| <input type="radio"/>            | echo                      |
| <input type="radio"/>            | document.getElementById() |

## Assessment Quiz

### Question # 1 of 2

The \_\_\_\_\_ keyword stops the execution of JavaScript, and calls (if available) the debugging function.

#### Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input type="radio"/>            | Pause     |
| <input type="radio"/>            | interrupt |
| <input type="radio"/>            | compiler  |
| <input checked="" type="radio"/> | debugger  |

## Assessment Quiz

### Question # 1 of 1

\_\_\_\_\_ is JavaScript's default behavior of moving all declarations to the top of the current scope.

#### Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input type="radio"/>            | scoping   |
| <input checked="" type="radio"/> | Hoisting  |
| <input type="radio"/>            | hosting   |
| <input type="radio"/>            | declaring |

In JavaScript there are 5 different data types that can contain values:

- String
- Number
- Boolean
- Object
- Function

There are 3 types of objects:

- Object
- Date
- Array

## JavaScript Type Conversion

If the variable cannot be converted, it will still become a number, but with the value NaN (Not a number):

### Example

```
var y = "John"; // y is a string  
var x = + y;    // x is a number (NaN)
```

# JavaScript Type Conversion

`5 + null` // returns 5 because null is converted to 0

`"5" + null` // returns "5null" because null is converted to "null"

`"5" + 1` // returns "51" because 1 is converted to "1"

`"5" - 1` // returns 4 because "5" is converted to 5

## Assessment Quiz

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ keyword stops the execution of JavaScript, and calls (if available) the debugging function.	✓ - Correct
If your browser supports debugging, you can use _____ to display JavaScript values in the debugger window.	✓ - Correct

# JavaScript Data Type

The data type of NaN is number

The data type of an array is object

The data type of a date is object

The data type of null is object

The data type of an undefined variable is undefined

## Assessment Quiz

\_\_\_\_\_ variables can be accessed from anywhere in a JavaScript program.

Select the correct option

<input checked="" type="radio"/>	Global
<input type="radio"/>	Strict Local
<input type="radio"/>	Automatically Local
<input type="radio"/>	Local

# JavaScript Data Type

---

"John".constructor // Returns function String() { ... }

(3.14).constructor // Returns function Number() { ... }

false.constructor // Returns function Boolean() { ... }

[1,2,3,4].constructor // Returns function Array() { ... }

{name:'John', age:34}.constructor // Returns function  
Object() { ... }

new Date().constructor // Returns function Date() { ... }

function () {}.constructor // Returns function Function(){ ... }

## Assessment Quiz

The \_\_\_\_\_ statement "jumps out" of a loop.

**Select the correct option**

<input type="radio"/>	continue
<input type="radio"/>	new
<input type="radio"/>	const
<input checked="" type="radio"/>	break

## Assessment Quiz

The \_\_\_\_\_ statement "jumps over" one iteration in the loop.

**Select the correct option**

- |                                  |          |
|----------------------------------|----------|
| <input type="radio"/>            | const    |
| <input type="radio"/>            | new      |
| <input type="radio"/>            | var      |
| <input checked="" type="radio"/> | continue |

## Assessment Quiz

### Question # 3 of 3

The \_\_\_\_\_ statement lets you handle the error.

#### Select the correct option

<input type="radio"/>	throw
<input type="radio"/>	finally
<input checked="" type="radio"/>	Try
<input type="radio"/>	catch

Reading Content 

✔ Completed

The **'for'** loop is the most compact form of looping. It includes the following three important parts -

- The **loop initialization** where we initialize our counter to a starting value. The initialization statement is executed before the loop begins.
- The **test statement** which will test if a given condition is true or not. If the condition is true, then the code given inside the loop will be executed, otherwise the control will come out of the loop.
- The **iteration statement** where you can increase or decrease your counter.

You can put all the three parts in a single line separated by semicolons.

### Different Kinds of Loops

Here are different kinds of loops used in this language:

- for - loops through a block of code a number of times
- for/in - loops through the properties of an object
- while - loops through a block of code while a specified condition is true
- do/while - also loops through a block of code while a specified condition is true

## Loop statements


While writing a program, you may encounter a situation where you need to perform an action over and over again. In such situations, you would need to write loop statements to reduce the number of lines.

JavaScript supports all the necessary loops to ease down the pressure of programming.

### The while Loop

The most basic loop in JavaScript is the **while** loop. The purpose of a **while** loop is to execute a statement or code block repeatedly as long as an **expression** is true. Once the expression becomes **false**, the loop terminates.

## JavaScript Type Conversion

Original Value	Converted to Number	Converted to String	Converted to Boolean
NaN	NaN	"NaN"	false
Infinity	Infinity	"Infinity"	true
-Infinity	-Infinity	"-Infinity"	true
""	0	""	false
"20"	20	"20"	true
 "twenty"	NaN	"twenty"	true

## JavaScript Type Conversion

Original Value	Converted to Number	Converted to String	Converted to Boolean
<u>[]</u>	0	""	<u>true</u>
[20]	20	"20"	true
[10,20]	NaN	"10,20"	true
["twenty"]	NaN	"twenty"	true
["ten","twenty"]	NaN	"ten,twenty"	true
<b>VU</b> ction({})	NaN	"function({})"	true

## JavaScript Type Conversion

Method	Description
parseFloat()	Parses a string and returns a floating point number
parseInt()	Parses a string and returns an integer

## Assessment Quiz

A JavaScript \_\_\_\_\_ is a block of code designed to perform a particular task.

Select the correct option

<input type="radio"/>	operand
<input type="radio"/>	exception
<input checked="" type="radio"/>	function
<input type="radio"/>	string

## Assessment Quiz

Quiz Result: 1 out of 1

Assessment Attempt Detail

Question	Result
_____ can execute a block of code a number of times.	✓ - Correct

## Assessment Quiz

Quiz Duration: 0 minute(s)

Quiz Result: 2 out of 2

Assessment Attempt Detail

Question	Result
A JavaScript _____ is a block of code designed to perform a particular task.	✓ - Correct
_____ is a JavaScript reserved word indicating that a value is not a number.	✓ - Correct

## Assessment Quiz

### Question # 1 of 2

The \_\_\_\_\_method searches a string for a specified value and returns the position of the match.

#### Select the correct option

- |                                  |                 |
|----------------------------------|-----------------|
| <input checked="" type="radio"/> | search()        |
| <input type="radio"/>            | Search-Number() |
| <input type="radio"/>            | Search-All()    |
| <input type="radio"/>            | Search-String() |

✓ Course Selection

## Assessment Quiz

### Question # 2 of 3

The \_\_\_\_\_statement lets you handle the error.

#### Select the correct option

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | throw   |
| <input checked="" type="radio"/> | catch   |
| <input type="radio"/>            | Try     |
| <input type="radio"/>            | finally |

## Assessment Quiz

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ loop is a variant of the while loop.	✓ - Correct
The _____ loop will always be executed at least once, even if the condition is false.	✓ - Correct

## Assessment Quiz

**Total Question:** 2

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
You can use the _____ operator to find the data type of a JavaScript variable.	✓ - Correct
The _____ property returns the constructor function for all JavaScript variables.	✓ - Correct

## Assessment Quiz

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
The unary _____ operator can be used to convert a variable to a number.	✓ - Correct
JavaScript has a _____ data type. It can only take the values true or false.	✓ - Correct

## Assessment Quiz

**Quiz Result:** 3 out of 3

### Assessment Attempt Detail

Question	Result
The _____ statement lets you test a block of code for errors.	✓ - Correct
The _____ statement lets you handle the error.	✓ - Correct
The _____ statement lets you create custom errors.	✓ - Correct

## Assessment Quiz

**Total Question:** 2

**Quiz Duration:** 3 Minute(s)

**Quiz Result:** 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ method searches a string for a specified value and returns the position of the match.	✓ - Correct
The _____ method is a RegExp expression method. It searches a string for a pattern, and returns true or false, depending on the result.	✓ - Correct

# JavaScript Type Conversion

## JavaScript Type Conversion Table

This table shows the result of converting different JavaScript values to Number, String, and Boolean:

Original Value	Converted to Number	Converted to String	Converted to Boolean
false	0	"false"	false
true	1	"true"	true
0	0	"0"	false
1	1	"1"	true
"0"	0	"0"	true
VU	1	"1"	true

And 2 data types that cannot contain values:

- null
- undefined

## typeof operator

You can use the typeof operator to find the data type of a JavaScript variable.

### Assessment Quiz

Question # 2 of 2

Time Left: 77 sec(s)

The \_\_\_\_\_ method is a RegExp expression method. It searches a string for a pattern, and returns true or false, depending on the result.

Select the correct option

[Reload Math Equations](#)

- test()
- toString()
- Text-search()
- String-find()

## Assessment Quiz

### Question # 1 of 3

The \_\_\_\_ statement lets you test a block of code for errors.

#### Select the correct option

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | catch   |
| <input type="radio"/>            | finally |
| <input checked="" type="radio"/> | try     |
| <input type="radio"/>            | throw   |

Question # 2 of 2

You can use the \_\_\_\_\_operator to find the data type of a JavaScript variable.

Select the correct option

- |                                  |        |
|----------------------------------|--------|
| <input type="radio"/>            | const  |
| <input type="radio"/>            | switch |
| <input checked="" type="radio"/> | typeof |
| <input type="radio"/>            | mytype |

## JavaScript Data Type

```
typeof "John" // Returns string
typeof 3.14 // Returns number
typeof NaN // Returns number
typeof false // Returns boolean
typeof [1,2,3,4] // Returns object
typeof {name:'John', age:34} // Returns object
typeof new Date() // Returns object
typeof function () {} // Returns function
typeof myCar // Returns undefined (if
myCar is not declared)
typeof null // Returns object
```

## Assessment Quiz

\_\_\_\_\_ is a JavaScript reserved word indicating that a value is not a number.

**Select the correct option**

<input type="radio"/>	Non-Numeric
<input type="radio"/>	N@N
<input type="radio"/>	Not-A-Numeric
<input checked="" type="radio"/>	NaN

## Assessment Quiz

### Question # 1 of 2

JavaScript has a \_\_\_\_\_ data type. It can only take the values true or false.

#### Select the correct option

<input type="radio"/>	Number
<input type="radio"/>	Object
<input checked="" type="radio"/>	Boolean
<input type="radio"/>	String

## Assessment Quiz

The unary \_\_\_\_\_ operator can be used to convert a variable to a number.

#### Select the correct option

<input type="radio"/>	/
<input checked="" type="radio"/>	+
<input type="radio"/>	?
<input type="radio"/>	%

## Assessment Quiz

### Question # 1 of 2

The \_\_\_\_\_ loop is a variant of the while loop.

### Select the correct option

- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | do/while |
| <input type="radio"/>            | for/do   |
| <input type="radio"/>            | for/in   |
| <input type="radio"/>            | for      |

## Assessment Quiz

Quiz Duration: 6 minutes(s)

Quiz Result: 2 out of 2

### Assessment Attempt Detail

Question	Result
The _____ statement "jumps out" of a loop.	✓ - Correct
The _____ statement "jumps over" one iteration in the loop.	✓ - Correct

## Assessment Quiz

### Question # 2 of 2

The \_\_\_\_\_ loop will always be executed at least once, even if the condition is false.

Select the correct option

- |                                  |          |
|----------------------------------|----------|
| <input checked="" type="radio"/> | do/while |
| <input type="radio"/>            | for/do   |
| <input type="radio"/>            | while/in |
| <input type="radio"/>            | while    |

## JavaScript Hoisting

### Example

```
var x = 5; // Initialize x
```

```
elem = document.getElementById("demo");  
// Find an element
```

```
elem.innerHTML = x + " " + y;  
// Display x and y as 5 undefined
```

```
var y = 7; // Initialize y
```