

Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

All elements of an array must be of \_\_\_\_\_.

Answer ( Please select your correct option )

VuAnswers.com

different data type

float data types only

character data types only

same data type

correct

Made by: Waqar Siddhu

Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

In C/C++, null character is represented as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

\n

correct

\0

\t

\r

**Made by: Waqar Siddhu**

Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

The dynamic memory allocation uses memory from the \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Stack

Heap

System Cache

Secondary Storage

**correct**

**Made by: Waqar Siddhu**

Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

When a value is referred by a normal variable then it is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Direct Reference

**correct**

Indirect Reference

Proper Reference

Partial Reference

**Made by: Waqar Siddhu**

Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

The address operator (&) is used with a \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Statement

Expression

Variable

Constant

**correct**

**Made by: Waqar Siddhu**

Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

A variable declared inside a code block becomes the \_\_\_\_\_ variable for that block.

Answer ( Please select your correct option )

**VuAnswers.com**

global

static

local

inner

**correct**

**Made by: Waqar Siddhu**

Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

If a friend function outside the class declares itself friend of the class, this may violate the concept of \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Encapsulation and data accessing

Encapsulation and data hiding

**correct**

Friend member functions of the class

Interface of the class

**Made by: Waqar Siddhu**

Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

In C/C++, \_\_\_\_\_ are the doors through which data can enter and come out of a program.

Answer ( Please select your correct option )

**VuAnswers.com**

Streams

**correct**

Fields

Variables

Header files

**Made by: Waqar Siddhu**

Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

A \_\_\_\_\_ name includes a primary name and an optional period with an extension.

Answer ( Please select your correct option )

**VuAnswers.com**

File

**correct**

Disk

Data

Database

**Made by: Waqar Siddhu**

Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

The operator used for casting in C is standard \_\_\_\_\_ operator.

Answer ( Please select your correct option )

**VuAnswers.com**

binary

cast

**correct**

cost

const

**Made by: Waqar Siddhu**

Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Both endl and flush are \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Functions

Operators

Manipulators

Objects

**correct**

**Made by: Waqar Siddhu**

Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

What will be the output of the following statement?

```
cout << setbase(16) << 52 ;
```

Answer ( Please select your correct option )

**VuAnswers.com**

52

34

correct

64

32

**Made by: Waqar Siddhu**

Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

The return type of the operator function for << operator is \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

class for which we overload operator

reference of ostream class (ostream&)

**correct**

reference of istream class (istream&)

void

**Made by: Waqar Siddhu**

Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

new operator allocates memory from free store and returns \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

A pointer

**correct**

A reference

An integer

A float

**Made by: Waqar Siddhu**

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

The pointer returned by the new operator points to \_\_\_\_\_ of memory chunks allocated by the new operator.

Answer ( Please select your correct option )

**VuAnswers.com**

Second memory address

First memory address

**correct**

Last memory address

Last memory address of the previous chunk

**Made by: Waqar Siddhu**

Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

A template function must have at least \_\_\_\_\_ generic data type.

Answer ( Please select your correct option )

**VuAnswers.com**

Zero

One

Two

Three

**Made by: Waqar Siddhu**

Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

What does STL stand for?

Answer ( Please select your correct option )

**VuAnswers.com**

Source template library

Standard template library

**correct**

Stream template library

Standard temporary library

**Made by: Waqar Siddhu**

Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

The appropriate data type to store the number of rows and columns of the matrix is \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

float

strings

int

char

**correct**

**Made by: Waqar Siddhu**

Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

By using objects as class members, \_\_\_\_\_ is achieved.

Answer ( Please select your correct option )

**VuAnswers.com**

Accessibility

Reliability

Reusability

**correct**

Usability

**Made by: Waqar Siddhu**

Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ data members of a contained object can be accessed from inside of the containing class.

Answer ( Please select your correct option )

**VuAnswers.com**

Private

Public

Protected

All

correct

**Made by: Waqar Siddhu**

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

The normal source of cin object is \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

File

Disk

Keyboard

RAM

**correct**

**Made by: Waqar Siddhu**

Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

The stream insertion and stream extraction operators are already overloaded for \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

- User-defined data types
- Built-in data types
- User-defined and built-in data types
- Constants

**correct**

**Made by: Waqar Siddhu**

Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

When an object of a class is defined inside an other class then \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

- Constructor of enclosing class will be called first
- Constructor of inner object will be called first
- Constructor and Destructor will be called simultaneously
- Only destructor will be called

**correct**

**Made by: Waqar Siddhu**

Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

The order of destruction of an object is \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

- same as the construction order.
- reverse as the construction order.
- independent of the construction order.
- same as the order of objects declared.

**correct**

**Made by: Waqar Siddhu**

Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

A constructor will create a new object with a full copy of the other object, this type of copy is known as \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Deep copy

**correct**

Shallow copy

Constructor copy

Object copy

**Made by: Waqar Siddhu**

Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is the only operator that the compiler overloads for user defined data type.

Answer ( Please select your correct option )

VuAnswers.com

- Plus (+)
- Minus (-)
- Equal (==)
- Assignment (=)

correct

Made by: Waqar Siddhu

Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

A class member function defined for overloading a unary operator takes how many arguments ?

Answer ( Please select your correct option )

**VuAnswers.com**

- Zero
- One
- Two
- N arguments

**Made by: Waqar Siddhu**

Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Static allocation is \_\_\_\_\_ efficient than the dynamic allocation.

Answer ( Please select your correct option )

**VuAnswers.com**

less

**correct**

more

equally

it depends on the situation

**Made by: Waqar Siddhu**

Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following function call is correct for the function prototype?  
defaultParameters ( int a, int b = 7, char z = '\*' );

Answer ( Please select your correct option )

VuAnswers.com

defaultParameters (5);

correct

defaultParameters (5, '8');

defaultParameters (6, '#');

defaultParameters (0, 0, '\*', 0);

Made by: Waqar Siddhu

Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

The region of memory, available for allocation at run time in C language is called \_\_\_\_\_ memory whereas in C++ , is called \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Heap, Stack

Stack, Free Store

Heap, Free Store

Free store, Heap

**correct**

**Made by: Waqar Siddhu**

Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

The prototype of friend function is written \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Before the class definition

As private member function

Anywhere inside the class definition

In the main function

**correct**

**Made by: Waqar Siddhu**

Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the given options is correct prototype syntax for overloaded operator?

Answer ( Please select your correct option )

VuAnswers.com

return-type operator-symbol (parameter-list) operator;

operator return-type operator-symbol (parameter-list);

return-type operator operator-symbol (parameter-list);

correct

return-type operator-symbol operator (parameter-list);

Made by: Waqar Siddhu

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

The declarator of Plus (+) member operator function is \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Class-Name operator + (Class-Name rhs)

**correct**

operator Class-Name + ()

operator Class-Name + ( rhs)

Class-Name operator + ()

**Made by: Waqar Siddhu**

Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Sequence of event(s) when allocating memory using new operator is \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

- Only block of memory is allocated for objects
- Only constructor is called for objects
- Memory is allocated first before calling constructor
- Constructor is called first before allocating memory

correct

**Made by: Waqar Siddhu**

Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

Individual characters in a string stored in an array can be accessed directly using array \_\_\_\_\_.

Answer ( Please select your correct option )

**VuAnswers.com**

Superscript

Subscript

**correct**

Script

Value

**Made by: Waqar Siddhu**

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Whenever we allocate any memory from the \_\_\_\_\_ then starting position of the block of the memory allocated is returned as an address that is kept in a pointer.

Answer ( Please select your correct option )

**VuAnswers.com**

Flush

Buffer

Heap

Stack

**correct**

**Made by: Waqar Siddhu**

Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Whenever we allocate any memory from the heap then starting position of the block of the memory allocated is returned as a \_\_\_\_\_ that is kept in a pointer.

Answer ( Please select your correct option )

**VuAnswers.com**

Variable

Address

**correct**

Pointer

Array

**Made by: Waqar Siddhu**

Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Constructor is a special function, called whenever we instantiate a \_\_\_\_\_ of a class.

Answer ( Please select your correct option )

**VuAnswers.com**

Function

Data member

Object

Pointer

**correct**

**Made by: Waqar Siddhu**

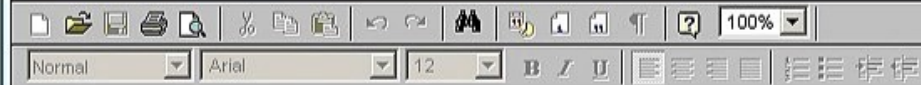
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

How can we overcome the issue of dangling reference in a program ?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

What will be the output of the program below?

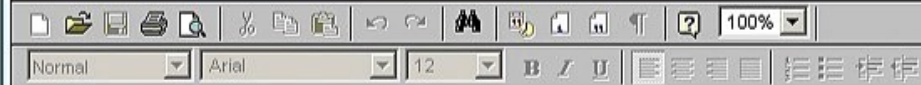
```
#include <iostream.h>
```

```
main()
```

```
{
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

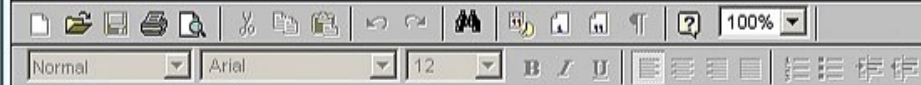
Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

```
main()
{
    int i = 2;
    int j = 3;
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

```
int k = 2 * ++i * j++;  
  
cout<<k;  
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com

Normal Arial 12 B / U

Made by: Waqar Siddhu

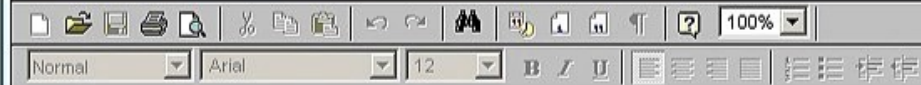
Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Write the operator overloading declaration for a stream extraction (>>) operator for an integer.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 44 of 52

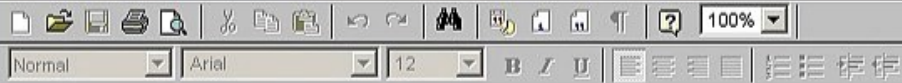
Marks: 2 (Budgeted Time 4 Min)

Suppose an object of class A is declared as data member of class B.

- (i) The constructor of which class will be called first?
- (ii) The destructor of which class will be called first?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

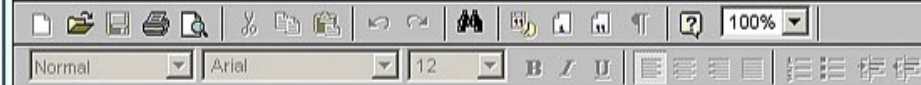
Identify and correct the error(s) in given code.

```
while ( c <= 5 );
```

```
{
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

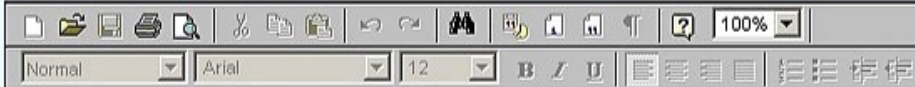
Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

```
sum += c;  
  
c++;  
  
)
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

What will be the output of the following code snippet?

```
int x = 10;  
int &y = x;  
y+=5;  
cout << x;
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

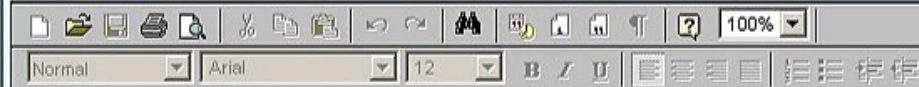
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

Write a function named Sum which accepts an integer as argument. In the function use a static variable to add the values passed to it as arguments with each function call. In the end, display the sum of values passed as arguments.

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 48 of 52

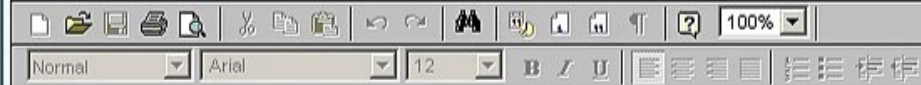
Marks: 3 (Budgeted Time 6 Min)

Given is the code for nested classes.

```
class First  
{  
    public:
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
class Second
{
    public:

    void Display()
    {
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

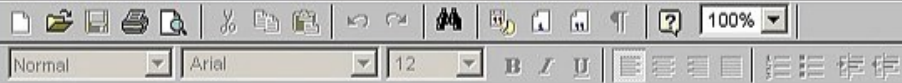
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
{  
    cout<<"inner Object called...";  
}  
};
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

```
}  
  
};  
  
};
```

Write main() function to create an object of inner class and then call its function Display().

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com

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Made by: Waqar Siddhu

Question No : 49 of 52

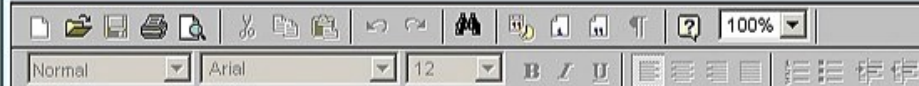
Marks: 5 (Budgeted Time 10 Min)

Write a program which defines a Template function named **Add ()** which adds two variables and then returns the sum. Define two variables of type **int** in main function, and then call **Add ()** function on these variables.

Program output should look like this:

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Program output should look like this:

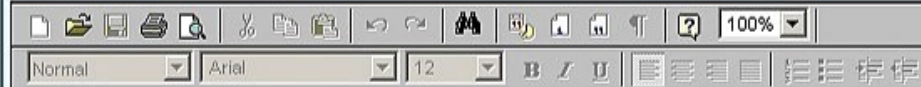
Enter two integer values to be added

Enter First value:

12

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Enter two integer values to be added

Enter First value:

12

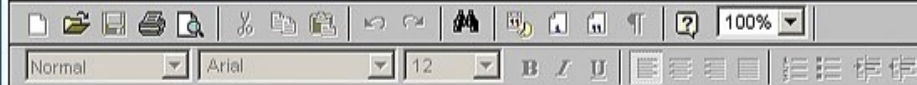
Enter Second value:

25

Addition of two variable of different data type

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Enter Second value:  
25  
Addition of two variable of different data type  
Sum = 37

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com

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Made by: Waqar Siddhu

Question No : 50 of 52

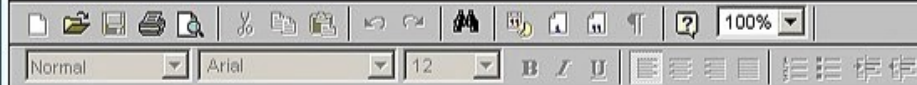
Marks: 5 (Budgeted Time 10 Min)

Construct a logical expression to represent each of the following conditions:

- a. score is greater than or equal to 80 but less than 90;
- b. answer is either N or n;
- c. n is even but not 8;
- d. number is a multiple of both 4 and 6

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

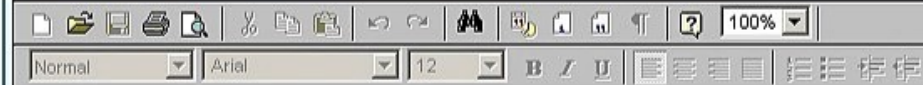
Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

In a C++ program, how would you identify whether a declared variable is a "reference variable" or an "address variable"?

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

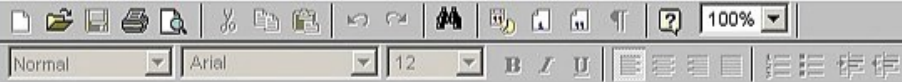
What will be the output of given program code ?

```
class File (
```

```
    private:
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

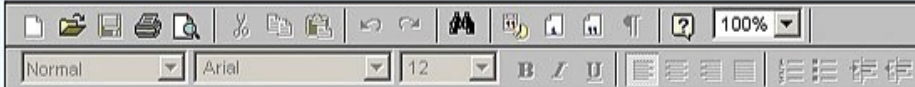
Marks: 5 (Budgeted Time 10 Min)

```
char *name;  
char *type;  
int size;
```

public:

VuAnswers.com

Answer ( [Please click here to Add Answer](#) )



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
File()
{
    File::num_files++;
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

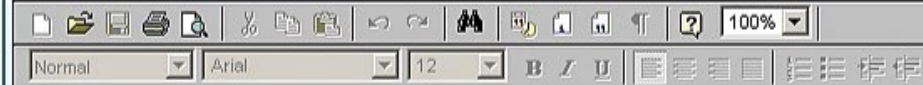
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
static int num_files;  
};  
  
int File::num_files = 0;  
main()
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

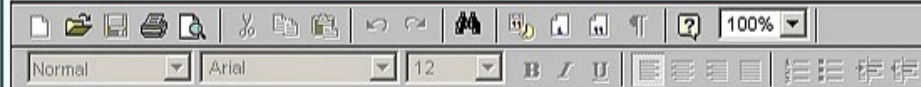
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
int File::num_files = 0,  
main()  
{  
    File f1;  
  
    cout<<f1.num_files<<endl;
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

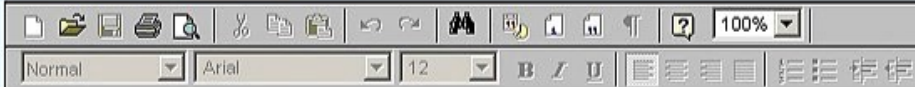
```
cout<<f2.num_files<<endl;
```

File f2;

```
cout<<f2.num_files<<endl;
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

```
cout<<f2.num_files<<endl;

cout<<File::num_files;

return 0;
}
```

Answer ( [Please click here to Add Answer](#) )

VuAnswers.com



Made by: Waqar Siddhu

Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

Here the code is given below. You have to identify the problem in the code.

```
while( i < 10) && (i > 24))
```

Answer ( Please select your correct option )

**VuAnswers.com**

- the logical operator && cannot be used in a test condition
- the while loop is an exit-condition loop
- the test condition is always true
- the test condition is always false

**Made by: Waqar Siddhu**

Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the statements given below is equivalent to `sum += j*j` ?

Answer ( Please select your correct option )

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`sum = j * j`

`sum = sum + j`

`sum = sum + j * j`

correct

`sum * j = j`

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