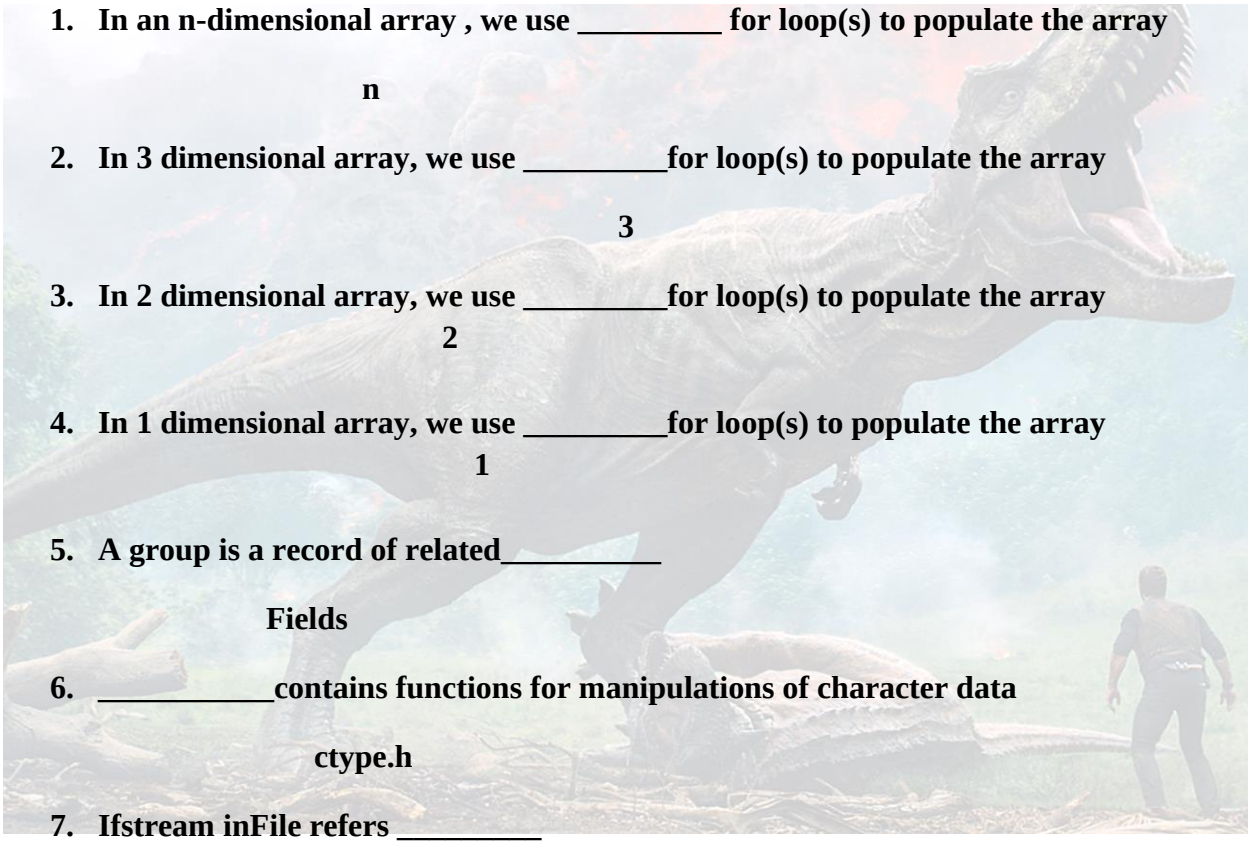
CS201 quiz 1 Fall 2021

TOPIC 13-18

ORANGE MONKEY TEAM



1. **In an n-dimensional array , we use _____ for loop(s) to populate the array**

   n

2. **In 3 dimensional array, we use _____for loop(s) to populate the array**

   3

3. **In 2 dimensional array, we use _____for loop(s) to populate the array**

   2

4. **In 1 dimensional array, we use _____for loop(s) to populate the array**

   1

5. **A group is a record of related_____**

   Fields

6. **_____contains functions for manipulations of character data**

   ctype.h

7. **Ifstream inFile refers _____**

   Object for reading from a file

8. **ofstream outFile refers _____**

   object for writing to a file

9. **A character is stored in the memory in _____**

   Byte

10. **A string which is assigned to a string variable is terminated by**

Null character

11. When an identifier is declared with keyword const then,

Its value cannot be changed

12. If stream is used for_____

Input file stream

13. Which of the following option is correct about array

Only one type of elements can be stored in an array

14. Suppose that an integer type pointer contains a memory address 0x221220. What will be the new memory address if we increment this pointer by one

0x221224

15. In the case of pointer to pointer or _____ the first pointer contains the address of the second pointer, which contains the address of the variable, which contains the desired value

Double dereference

16. The data in the memory is _____

Volatile

17. Suppose we have a file with name myfile.text What will be the correct syntax of file opening for input

myFile,open("myfile.text", ios::in);

18. In analysis, we try to have a _____

Precise problem statement

19. _____ Returns true if c is a digit or a letter and false otherwise

int isalnum (int c)

20. _____ Returns true if c is a digit and false otherwise

int isdigit(int c)

21. _____ Returns true if c is a letter and false otherwise

Int isalpha(int c)

22. _____ Returns true if c is a hexadecimal digit character and false otherwise

Int isxdigit(int c)

23. _____ Returns true if c is a lowercase letter and false otherwise

Int islower(int c)

24. _____ Returns true if c is a uppercase letter and false otherwise

Int isupper(int c)

25. _____ if c is an uppercase letter, tolower returns c as a lowercase letter. Otherwise, tolower returns the argument unchanged

Int tolower (int c)

26. _____ if c is an lowercase letter, toupper returns c as a uppercase letter. Otherwise, toupper returns the argument unchanged

Int toupper(int c)

27. Returns true if c is a white-space character newline ('\n'), space (''), from feed ('\f'), carriage return ('\r'), horizontal tab ('\t\), or vertical tab ('\v') and false otherwise

Int isspace(int c)

28. _____returns true if c is a control character and false otherwise

Int iscntrl(int c)

29. _____Returns true if c is a printing character other than a space, a digit, or a letter and false otherwise

Int ispunct (int c)

30. Return true value if c is a printing character including space ('') and false otherwise

Int isprint (int c)

31. Returns true if c is a printing character other than space(‘’) and false otherwise

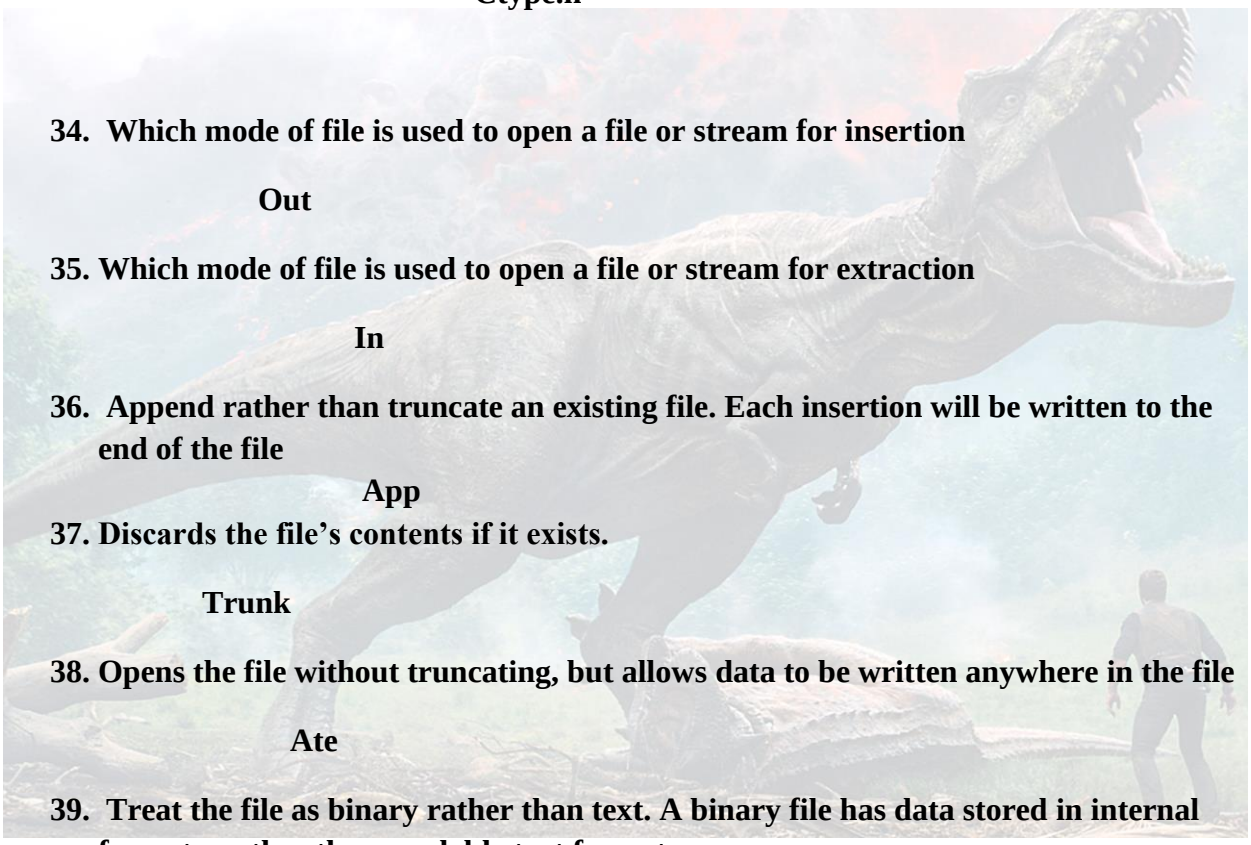
Int isgraph(int c)

32. The function tolower and toupper are _____

Conversion function

33. Which header file must be included to use the function tolower() and toupper()

Ctype.h



34. Which mode of file is used to open a file or stream for insertion

Out

35. Which mode of file is used to open a file or stream for extraction

In

36. Append rather than truncate an existing file. Each insertion will be written to the end of the file

App

37. Discards the file’s contents if it exists.

Trunk

38. Opens the file without truncating, but allows data to be written anywhere in the file

Ate

39. Treat the file as binary rather than text. A binary file has data stored in internal formats, rather than readable text format

Binary

40. Following is the declaration of a _____ array. Int arr[2][2]

2 dimensional

41. _____are conventional names of the command line parameters of the ‘main()’ function.

‘argc’ and ‘argv’

42. What will be the correct syntax for declaration of the following statement

'ptr is a constant pointer to an integer

Int*const ptr;

43. What will be the correct syntax for declaration of the following statement

'ptr is a pointer to const in'

const int *ptr.

44. Transpose of a matrix means that when we interchange rows and columns_____

The first row becomes the first columns

45. Char dest[50] = using strncat function";
Char src[50] = this part is added and this is ignored;
Strncat(dest, src, 19);
Cout <<dest;

Using strncat function , this part is added

46. Base address is the memory address of _____ element of an array.

1st

47. While handling files, one can have _____options

Read the file, write in some file, read and write in the some file…all

48. String are accessed by variable of type

Char

49. For the following statement, how much memory will be allocated to my array[0]
Char*myarray[] = {"arif","sadia"}
5 bytes

50. To get the value stored of a memory address we use the _____

Deferencing operator

51. Data means _____

The value of whatever the data points to

52. If a file is opened ios::out, then _____

A new file is created

53. If we want to append into the file, the mode will be_____

ios::app

54. If we want to write anywhere in the file, the mode is_____

ios::app

55. Following is the declaration of a 2D array, how many row are declared for this array int arr[3][2]

3

56. Following is the declaration of a 2D array, how many columns are declared for this array int arr[3][2]

2

57. In case of two dimensional array, if you add some number in a two-dimensional array name, it will jump to the next _____.

Rows

58. Which of the following is true about streams?

It is a sequence of bytes
It is an ordered sequence
All bytes can go through the stream simultaneously
Bytes that enters first into the stream will go out at last

A and B

59. Which of the following is a correct way to assign the address of the first element of array is pointer? Int data[10]

Int*ptr=data[0];

60. A_____is an array of characters that can store number of character specified

String

61. A string which is assigned to a string variable is terminated by _____.

Null character

62. How many bytes an integer type pointer int ptr will jump in memory if the statement below is executed? Int ptr +=2

8

63. Give a two dimensional array of integers, what would be the correct way of assigning the value 6 to the element at third row and fourth columns

Array[2][3]=6;

64. Following is an array of _____rows and _____, int num[3][4];

3 and 4

65. What will be the output of the following code segment?

```
Char myName[]=”student ID”;
Int n=sizeof(myName);
Cout<<n;
```

11

66. If we have a pointer on the left hand side then the right hand side should have a/an_____

Address

67. The parameter passed to isdigit() function is _____variable

Character or integer

68. Ofstream is used for_____

Output file stream

69. A hierarchy of classes which are used to deal with console and disk files are called_____

Stream classes

70. '\0' takes _ space in the memory.

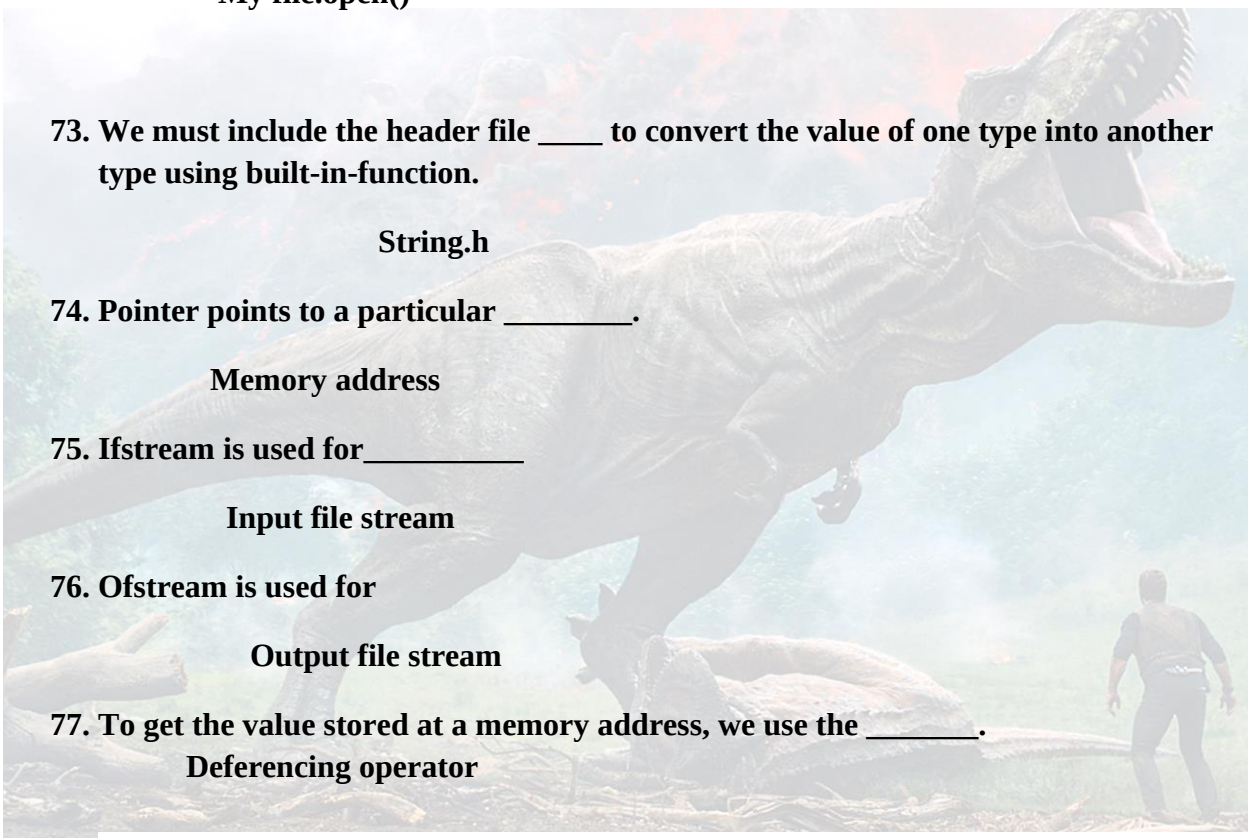
1 byte… not sure

71. Which statement is used to close a file

Myfile.close()

72. Which statement is used to open a file

My file.open()



73. We must include the header file ____ to convert the value of one type into another type using built-in-function.

String.h

74. Pointer points to a particular _____.

Memory address

75. Ifstream is used for_____

Input file stream

76. Ofstream is used for

Output file stream

77. To get the value stored at a memory address, we use the _____.

Deferencing operator

78. To read command-line arguments, the main() function itself must be given _____ arguments.

2

79. When an identifier is declared with keyword const then,

Its value cannot be changed

80. Constructor is itself _____ of C++ and _____

Function, can be overloaded

81. In analysis, we try to have a _____

Precise problem statement

82. In c++ a variable can be declare anywhere in the program this will increase

Readability

83. The name of the array is a constant pointer which contains the memory address of the _____ of the array"

First element

84. What is output of following code?

```
Int data[10]=[10,20,30,40,50,60,70,80,90,100];
Int xptr=&data[4];
Int*yptr=&data[6];
Cout<<xptr+xptr++
```

120

85. C++ offers _____ levels of data access control inside a class

Three

86. The function calloc takes two arguments, first argument is the _ and the second argument is the _____

Required space in terms of numbers, size of space

87. The statement cout<<yptr will show _____ the yptr points to

Memory address

88. The use of *sign in first and second statements is called _____ and ____ of pointer.

```
Int * ptr = &x
Cout<<*ptr
```

Referencing dereferencing

89. What will be the output of following program?

```
Int data[10]=[10,20,30,40,50,60,70,80,90,100];
Int*yptr=&data[5];
Cout<<++yptr
```

61

90. Character string are terminated by _____

'\0'

91. There is a pointer variable named ptr of type float. Which type of variable address can be stored by ptr.

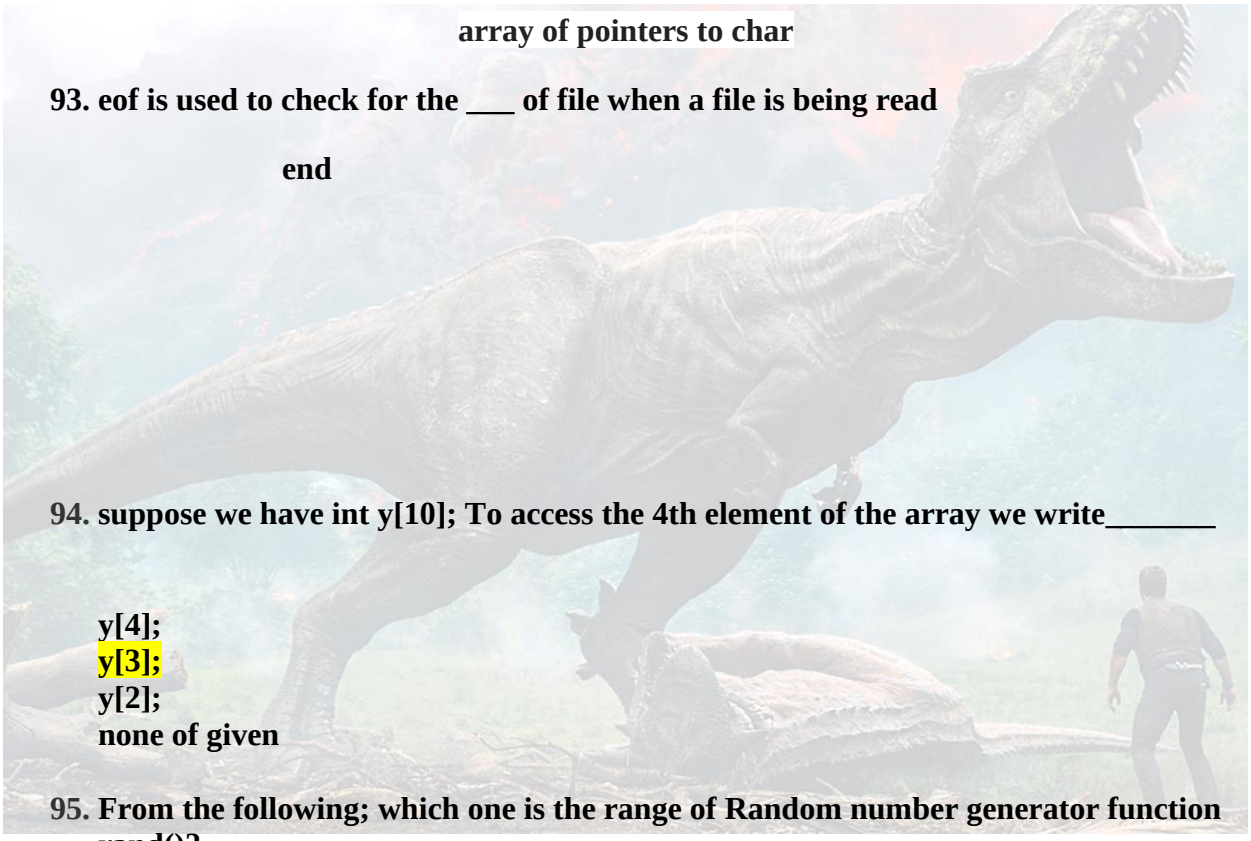
int

92. char **argv can be read as

array of pointers to char

93. eof is used to check for the ___ of file when a file is being read

end



94. suppose we have int y[10]; To access the 4th element of the array we write_____

y[4];
y[3];
y[2];
none of given

95. From the following; which one is the range of Random number generator function rand()?

0 – 32768
1 – 32768
0 – 32767
1 – 32767

96. From following; which one is the correct syntax of an array initialize: Array size is 10 and it is of double data type to value 0?

arr[10] = {0.0};
double arr[10]= 0.0;

double arr[10] = {0.0};
double arr[] = 0.0;

97. The string in the array is terminated by a_____

zero
nil
null
one

98. In C/C++; by default arguments are passed by_____to a function.

Reference
Value
Type
Data

99. char name [] = "Hello World" ; In the above statement, a memory of_____characters will be allocated

12

100. _____Keyword is used to return some value from a function.

break
return
continue
goto

101. Which of the function call is call by value for the following function prototype? float add(int);

add(&x);
add(x);
add(int x);
add(*x);

102. The increment of a pointer depends on its_____.

variable
value
data type
None of the given

103. The ASCHI code of null character is_____

000

104. Pointers are a special type of _____in which a memory address is stored

variables
Location
Characters
None of the given

105. Transpose of a matrix means that when we interchange rows and columns_____

the first row becomes the Last column
the first row becomes the first column
the Last row becomes the first column
the first column becomes the first row

63. Pointers store the _____

value of a variable
memory address
characters
None of the given

106. Which of the following function call is "call by reference" for the following function prototype? int add (int *);

add(&x);
add(int x);
add(x);
add(*x);

107. The name of the array is a constant pointer which contains the memory address of the _____of the array.

first element
Last element
second element
None of the given

108. array name always contains the memory address of the _____of the array

entire elements
last element
first element
None of the given

109. At the_____, we try to break up the problem into functional units

analysis phase
design phase
Implementation phase
None of the given