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

```
int addValue (int *a) {
int b = (*a) + 2;
return b ;
}
```

Answer (Please select your correct option)

○ 6,8,6   *correct*

○ 6,6,8

○ 6,8,8

○ 6,6,6   *Made By: Waqar Siddhu*

```
main () {
int x =6 ;
cout <<  x << "," ;
cout << addValue(&x) << "," ;
cout <<  x ;
}
```

Answer (Please select your correct option)

○ 6,8,6   *correct*

○ 6,6,8

○ 6,8,8

○ 6,6,6   *Made By: Waqar Siddhu*

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)

○ 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   *correct*   *Made By: Waqar Siddhu*

The correct syntax of do-while loop is _____.

Answer (Please select your correct option)

○ (condition) while; do { statements; };

○ { statements; } do-while ();

○ while(condition); do { statements; };

○ do { statements; } while (condition);

correct   *Made By: Waqar Siddhu*

Matrix is defined as_____.

Answer (Please select your correct option)

○ Single dimensional array

○ Multi-dimensional array

correct

○ Vector product

○ Scalar product

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In programming, comments are used to explain the functioning of the _____ .

Answer (Please select your correct option)

○ Debugger

○ Editor

○ Program

correct

○ Linker

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Operating System is a type of a/an _____.

Answer (Please select your correct option)

○ application software

○ system software   correct

○ computer language

○ interpreter

From the options given, you need to choose the option which is true for the given code.

```
for (int i = 1; i > 0; i++) {
  /* loop code */
}
```

Answer (Please select your correct option)

○ the logical operator && cannot be used in a test condition

○ the while loop is an exit-condition loop

○ the test condition is always false

○ the test condition is always true   correct

Which of the following values are used in C/C++ to represent true and false?

Answer (Please select your correct option)

○ 1 and 0   correct

○ 1 and -1

○ 11 and 00

○ Any numerical value

'while' loop may execute _____ or more times.

Answer (Please select your correct option)

○ three

○ zero   *correct*

○ two

○ one

Body of any function is enclosed within _____.

Answer (Please select your correct option)

○ { }   *correct*

○ ( )

○ [ ]

○ " "

What will be the correct syntax for initialization of a pointer ptr with string "programming"?

Answer (Please select your correct option)

○ char ptr = 'programming' ;

○ char *ptr = "programming" ;   *correct*

○ char *ptr = 'programming' ;

○ *ptr = "programming" ;

Which one of the given option is not a mode for reading/writing the data from a file?

Answer (Please select your correct option)

- ○ in
- ○ out
- ○ trunc
- ○ get   correct

_____ mode allows us to add data or change data anywhere in the file.

Answer (Please select your correct option)

- ○ ios::ate   correct
- ○ ios::app
- ○ ios::binary
- ○ ios::edit

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

Answer (Please select your correct option)

- ○ Streams   correct
- ○ Fields
- ○ Variables
- ○ Header files

All structure elements are_____ by default.

Answer (Please select your correct option)

○ Public

○ Protected

○ Private   correct

○ Public and Private

The function write() takes _____ as parameter(s).

Answer (Please select your correct option)

○ String of pointer type

○ String of variable lengths, no. of bytes to be read and flags

○ Pointer array of characters and a delimiter

○ String and no. of bytes to be written   correct

Computers can do _____ what we tell them to do.

Answer (Please select your correct option)

○ More than

○ Less than

○ Exactly   correct

○ Similar

When the logical operator AND (&&) combines two expressions exp1 and exp2 then the result will be true only _____

Answer (Please select your correct option)

○ When both exp1 and exp2 are true   correct

○ When both exp1 and exp2 are false

○ When exp1 is true and exp2 is false

○ When exp1 is false and exp2 is true

Null character is used to indicate the _____ of string.

Answer (Please select your correct option)

○ Start

○ End   correct

○ Begin

○ Middle

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

Answer (Please select your correct option)

○ 1st   correct

○ 2nd

○ 3rd

○ 4th

What happens if the file 'myfile.txt' does not exist and we still try to open it using the function file.open("myfile.txt", ios:out)?

Answer (Please click here to Add Answer)

Write down the output of the following code segment?

```
int x[10] = {0,1, 2, 3, 4, 5, 6, 7, 8, 9};
int *xptr;
xptr = &x[5];
cout << *(xptr++) + 1;
```

Answer (Please click here to Add Answer)

Suppose if we want to store values like 10, 45.3, 4, A, D, 6.4, and 50 by using array. Can we store all these elements by declaring a single array? Yes or no ? Give reason to support your answer.

Answer (Please click here to Add Answer)

Write the code for the declaration of a function named getMax which takes a 2D array of integers(3x3 dimension) as its parameter and returns a double pointer to an integer.

Answer (Please click here to Add Answer)

Write a C/C++ program which defines an array of 15 characters and fills the array with string "12players2teams". Then using character handling functions, counts the number of digits and alphabets in the string and displays on the screen.

Sample output of program:

Number of digits in string: 3

Answer (Please click here to Add Answer)

Write a C/C++ program which defines an array of 15 characters and fills the array with string "12players2teams". Then using character handling functions, counts the number of digits and alphabets in the string and displays on the screen.

Sample output of program:

Number of digits in string: 3
Number of alphabets in string: 12

Answer (Please click here to Add Answer)

Write a code segment that displays the diagonal elements of a matrix of NxN.
where N can be any number and represents dimensions of matrix.

Answer (Please click here to Add Answer)