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In two-dimensional array, we use _____ 'for loop(s)' to populate the array.

Select the correct option

<input type="radio"/>	1
<input type="radio"/>	2
<input type="radio"/>	3
<input type="radio"/>	4

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What will be the values of variables x and y after executing the following code if x = 33 and y = 19?

```
if(x % y != 0)
{
    x++;
    y--;
```

Select the correct option

- | | |
|-----------------------|----------------|
| <input type="radio"/> | x = 34, y = 18 |
| <input type="radio"/> | x = 14, y = 36 |
| <input type="radio"/> | x = 22, y = 14 |
| <input type="radio"/> | x = 30, y = 36 |

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ofstream is used for_____

Select the correct option

Input file stream

Output file stream

Input and output file stream

All of the given

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Question # 3 of 30 (Start time: 00:16:05 PM, 31 December 2020) Total Marks: 1

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

Select the correct option

int isalpha(int c)

int isalnum(int c)

int isxdigit(int c)

int isdigit(int c)

ARH

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C++ is a _____ language.

Select the correct option

- | | |
|-----------------------|-------------------|
| <input type="radio"/> | High level |
| <input type="radio"/> | Low level |
| <input type="radio"/> | Machine |
| <input type="radio"/> | Assembly language |

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If a _____ finds an error, it stops translating without generating any executable code.

Select the correct option

- | | |
|-----------------------|-------------|
| <input type="radio"/> | Linker |
| <input type="radio"/> | Loader |
| <input type="radio"/> | Compiler |
| <input type="radio"/> | Interpreter |

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Telling a computer what to do is called _____.

Select the correct option

- Designing
- Implementing
- Programming
- Compiling

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We can define a matrix as _____ array.

Select the correct option

Sorted

Unsorted

Single dimensional

Multi dimensional

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What will be the value of the variable output in the given piece of code?

```
double output = 0;
```

```
output = (2 + 2) * 4 + 2 / (4 - 2);
```

Select the correct option

15

17

12

11

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Array indexes start from _____.

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | 0 |
| <input type="radio"/> | 1 |
| <input type="radio"/> | 2 |
| <input type="radio"/> | 3 |

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```
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;
```

Select the correct option

<input type="radio"/>	60
<input type="radio"/>	61
<input type="radio"/>	70
<input type="radio"/>	Syntax error

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In the given expression which operator will be evaluated first?

$$10 + (6 / 2) - 2 * 3?$$

Select the correct option

<input type="radio"/>	+
<input type="radio"/>	-
<input type="radio"/>	/
<input type="radio"/>	*

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

Select the correct option

file is deleted

we can write in this file

content of file discarded

a new file is created

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We can access a global variable _____

Select the correct option

From the functions only

From the loops only

From the main() function only

From anywhere in the program

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At the _____, we try to break up the problem into functional units

Select the correct option

analysis phase

design phase

Implementation phase

None of the given

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

Select the correct option

- | | |
|-----------------------|------------------------|
| <input type="radio"/> | referencing operator |
| <input type="radio"/> | dereferencing operator |
| <input type="radio"/> | binary operator |
| <input type="radio"/> | AND(&&) operator |

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"=" operator is used for _____.

Select the correct option

<input type="radio"/>	Check equality
<input type="radio"/>	Assigning value
<input type="radio"/>	Calculating value
<input type="radio"/>	Reading value

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

Select the correct option

<input checked="" type="radio"/>	first element
<input type="radio"/>	Last element
<input type="radio"/>	second element
<input type="radio"/>	None of the given

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A file opened with _____ is used for input and cannot be used for output.

Select the correct option

<input type="radio"/>	iostream
<input type="radio"/>	ofstream
<input type="radio"/>	ifstream
<input type="radio"/>	none

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'multi [3] [3]' element can also be accessed by '_____':

Select the correct option

- | | |
|-----------------------|-------------------------|
| <input type="radio"/> | ** $(\text{multi}+3)+3$ |
| <input type="radio"/> | * $(\text{multi}+3)+3$ |
| <input type="radio"/> | * $(\text{multi}+3)$ |
| <input type="radio"/> | None of the given |

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The original value remains unchanged in _____.

Select the correct option

<input type="radio"/>	Pointers
<input type="radio"/>	Static Variables
<input type="radio"/>	Multi-way decisions
<input type="radio"/>	Call by value

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Learning to program is important because it develops _____ and _____ abilities.

Select the correct option

<input type="radio"/>	Reading, Writing
<input type="radio"/>	Reading, Problem solving
<input type="radio"/>	Analytical, Problem solving
<input type="radio"/>	Analytical, Writing

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What will be the result of $z = x \% y$, if
 $x = 29$ and $y = 5$?

Select the correct option

<input type="radio"/>	4
<input type="radio"/>	3
<input type="radio"/>	2
<input type="radio"/>	1

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<input type="radio"/>	Check equality
<input checked="" type="radio"/>	Assigning value
<input type="radio"/>	Calculating value
<input type="radio"/>	Reading value

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 $x = 29$ and $y = 5$?

Select the correct option

<input checked="" type="radio"/>	4
<input type="radio"/>	3
<input type="radio"/>	2
<input type="radio"/>	1

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Learning to program is important because it develops _____ and _____ abilities.

Select the correct option



Reading, Writing



Reading, Problem solving



Analytical, Problem solving



Analytical, Writing

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The structure, which can execute zero or more times is called _____.

Select the correct option

<input type="radio"/>	For structure
<input type="radio"/>	While structure
<input type="radio"/>	Do-While structure
<input type="radio"/>	None of the above

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What will be the output of the following code segment?

```
char myName[] = "Student ID";  
int n = sizeof(myName);  
cout<<n;
```

Select the correct option



10



9



11



12

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A file opened with _____ is used for input and cannot be used for output.

Select the correct option

<input type="radio"/>	iostream
<input type="radio"/>	ofstream
<input checked="" type="radio"/>	ifstream
<input type="radio"/>	none

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Switch statement can be used in place of _____ statement.

Select the correct option

- | | |
|-----------------------|-------------|
| <input type="radio"/> | break |
| <input type="radio"/> | continue |
| <input type="radio"/> | Multiple if |
| <input type="radio"/> | goto |

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Select the correct option

- | | |
|----------------------------------|-------------|
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| <input type="radio"/> | continue |
| <input checked="" type="radio"/> | Multiple if |
| <input type="radio"/> | goto |

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&data means _____.

Select the correct option

- | | |
|-----------------------|---------------------------------------|
| <input type="radio"/> | the value of whatever the data points |
| <input type="radio"/> | the address of the variable data |
| <input type="radio"/> | dereferencing |
| <input type="radio"/> | none of the given |

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While loop becomes infinite in which scenario _____.

Select the correct option

<input type="radio"/>	When the condition is always False
<input type="radio"/>	When the condition is always True
<input type="radio"/>	Condition contains logical operators
<input type="radio"/>	Condition contains arithmetic operators

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What will be the output of the following code segment?

```
char myName[] = "Student ID";  
int n= sizeof(myName);  
cout<<n;
```

Select the correct option

<input type="radio"/>	10
<input type="radio"/>	9
<input checked="" type="radio"/>	11
<input type="radio"/>	12

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

Select the correct option

<input type="radio"/>	first element
<input type="radio"/>	Last element
<input type="radio"/>	second element
<input type="radio"/>	None of the given

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'multi [3] [3]' element can also be accessed by '_____':

Select the correct option

<input type="radio"/>	<code>** (multi+3)+3</code>
<input checked="" type="radio"/>	<code>*(*(multi+3)+3)</code>
<input type="radio"/>	<code>*(multi+3)</code>
<input type="radio"/>	None of the given

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Select the correct option

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<input type="radio"/>	None of the above

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Select the correct option

- | | |
|----------------------------------|---------------------------------------|
| <input type="radio"/> | the value of whatever the data points |
| <input checked="" type="radio"/> | the address of the variable data |
| <input type="radio"/> | dereferencing |
| <input type="radio"/> | none of the given |

!= operator is used to check whether the operand on the left-hand-side is _____ to the operand on the right-hand-side.

Select the correct option

- | | |
|----------------------------------|------------------------|
| <input type="radio"/> | Less than or equal |
| <input type="radio"/> | Greater than or equal |
| <input checked="" type="radio"/> | Not equal |
| <input type="radio"/> | Approximately equal to |

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While loop executes at least _____ if the condition is false.

Select the correct option

<input type="radio"/>	Zero time
<input type="radio"/>	One time
<input type="radio"/>	Two Times
<input type="radio"/>	Undefined times

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If we assign 2.06721 to an integer variable x, what will be the output if we print x using cout<< statement?

Select the correct option

<input type="radio"/>	2
<input type="radio"/>	2.1
<input type="radio"/>	2.06
<input type="radio"/>	2.07

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The _____ is an unconditional branch of execution.

Select the correct option

<input type="radio"/>	Switch statement
<input type="radio"/>	Continue statement
<input type="radio"/>	Goto statement
<input type="radio"/>	Default statement

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Bitwise AND Operator works just like the logical _____ but on bits

Select the correct option

<input checked="" type="radio"/>	AND operator
<input type="radio"/>	OR operator
<input type="radio"/>	NAND operator
<input type="radio"/>	None of the given

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For the following statement, how much memory will be allocated to myarray[0]?
char * myarray[] = {"Arif", "Sadie"};

Select the correct option

<input type="radio"/>	4 Bytes
<input type="radio"/>	5 Bytes
<input type="radio"/>	6 Bytes
<input type="radio"/>	7 Bytes

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Bitwise AND Operator works just like the logical _____ but on bits

Select the correct option

<input type="radio"/>	AND operator
<input type="radio"/>	OR operator
<input type="radio"/>	NAND operator
<input type="radio"/>	None of the given

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For the following given function prototype,
`int add (int *)`;
Which one of the given function calls is "call by reference".

Select the correct option

<input type="radio"/>	<code>add(&x)</code> ;
<input type="radio"/>	<code>add(int x)</code> ;
<input type="radio"/>	<code>add(x)</code> ;
<input type="radio"/>	<code>add(*x)</code> ;

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For the following given function prototype,
`int add (int *);`
Which one of the given function calls is "call by reference".

Select the correct option

<input checked="" type="radio"/>	<code>add(&x);</code>
<input type="radio"/>	<code>add(int x);</code>
<input type="radio"/>	<code>add(x);</code>
<input type="radio"/>	<code>add(*x);</code>

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Which is not true regarding structures?

Select the correct option



a) We can declare arrays of structure



b) We can take the size of structure



c) We can't declare pointers to structure



d) Both b & c

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

Select the correct option

<input type="radio"/>	Start
<input type="radio"/>	End
<input type="radio"/>	Middle
<input type="radio"/>	Name

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Why do we use "cin"?

Select the correct option

<input type="radio"/>	To send data to printer
<input checked="" type="radio"/>	To read data from keyboard
<input type="radio"/>	To display message
<input type="radio"/>	To display output on the screen

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If we assign 2.06721 to an integer variable x, what will be the output if we print x using cout<< statement?

Select the correct option

<input checked="" type="radio"/>	2
<input type="radio"/>	2.1
<input type="radio"/>	2.06
<input type="radio"/>	2.07

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The most suitable data type for number 325.25 is _____

Select the correct option

<input type="radio"/>	char
<input type="radio"/>	int
<input type="radio"/>	short
<input type="radio"/>	float

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Why do we use "cin"?

Select the correct option

<input type="radio"/>	To send data to printer
<input type="radio"/>	To read data from keyboard
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A _____ is a precise sequence of steps to solve a particular problem.

Select the correct option

<input type="radio"/>	Code
<input type="radio"/>	Program
<input type="radio"/>	Statement
<input type="radio"/>	None of the given options

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<input type="radio"/>	Code
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<input type="radio"/>	None of the given options

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Select the correct option

<input type="radio"/>	Start
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<input type="radio"/>	Middle
<input type="radio"/>	Name

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What will be the output of the following code?

```
char greeting[6] = {'H', 'e', 'l', 'l', 'o', '\0'};  
cout << "Greeting message: ";  
cout << greeting << endl;
```

Select the correct option

<input checked="" type="radio"/>	Greeting message: Hello
<input type="radio"/>	Greeting message: 'H' 'e' 'l' 'l' 'o'
<input type="radio"/>	Greeting message: 6
<input type="radio"/>	Greeting message: greeting

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The most suitable data type for number 325.25 is _____

Select the correct option

<input type="radio"/>	char
<input type="radio"/>	int
<input type="radio"/>	short
<input checked="" type="radio"/>	float

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The _____ is an unconditional branch of execution.

Select the correct option

<input type="radio"/>	Switch statement
<input type="radio"/>	Continue statement
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<input type="radio"/>	Default statement

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From the following; which one is the correct syntax of an array declaration: array size is 5 and it is of float data type?

Select the correct option

<input type="radio"/>	float [5] name;
<input type="radio"/>	name[5] float;
<input checked="" type="radio"/>	float name[5];
<input type="radio"/>	None of the given options

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

Select the correct option

- 3
- 2
- 32
- 23

student s[100]; means that 's' is an array of hundred students of type 'student' structure. What will be the correct statement to access the 'name' data element of the fifty sixth student from the array?

Select the correct option

- s[55].name;
- s[56].name;
- s.name[55];
- s.name[56];

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Which is not true regarding structures?

Select the correct option

- | | |
|-----------------------|---|
| <input type="radio"/> | a) We can declare arrays of structure |
| <input type="radio"/> | b) We can take the size of structure |
| <input type="radio"/> | c) We can't declare pointers to structure |
| <input type="radio"/> | d) Both b & c |

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In _____, we have different data members and all of these have their own memory space.

Select the correct option

<input type="radio"/>	structures
<input type="radio"/>	union
<input type="radio"/>	construct
<input type="radio"/>	None of the given

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What will be the output of the following code?

```
char greeting[6] = {'H', 'e', 'l', 'l', 'o', '\0'};  
cout << "Greeting message: ";  
cout << greeting << endl;
```

Select the correct option

<input type="radio"/>	Greeting message: Hello
<input type="radio"/>	Greeting message: 'H' 'e' 'l' 'l' 'o'
<input type="radio"/>	Greeting message: 6
<input type="radio"/>	Greeting message: greeting

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<input checked="" type="radio"/>	structures
<input type="radio"/>	union
<input type="radio"/>	construct
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Select the correct option

<input type="radio"/>	float [5] name;
<input type="radio"/>	name[5] float;
<input type="radio"/>	float name[5];
<input type="radio"/>	None of the given options

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

Select the correct option

<input type="radio"/>	3
<input checked="" type="radio"/>	2
<input type="radio"/>	32
<input type="radio"/>	23

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!= operator is used to check whether the operand on the left-hand-side is _____ to the operand on the right-hand-side.

Select the correct option

<input type="radio"/>	Less than or equal
<input type="radio"/>	Greater than or equal
<input type="radio"/>	Not equal
<input type="radio"/>	Approximately equal to

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While loop becomes infinite in which scenario _____.

Select the correct option

<input type="radio"/>	When the condition is always False
<input checked="" type="radio"/>	When the condition is always True
<input type="radio"/>	Condition contains logical operators
<input type="radio"/>	Condition contains arithmetic operators

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For the following statement, how much memory will be allocated to myarray[0]?
`char * myarray[] = {"Arif", "Sadia"};`

Select the correct option

<input type="radio"/>	4 Bytes
<input checked="" type="radio"/>	5 Bytes
<input type="radio"/>	6 Bytes
<input type="radio"/>	7 Bytes

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

Select the correct option

<input type="radio"/>	referencing operator
<input checked="" type="radio"/>	dereferencing operator
<input type="radio"/>	binary operator
<input type="radio"/>	AND(&&) operator

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What will be the correct output for the given program?

```
int num = 1;  
switch ()  
{  
case 1 :  
cout << "15 " ;  
break;
```

Select the correct option

<input type="radio"/>	15
<input type="radio"/>	20
<input type="radio"/>	15 20
<input type="radio"/>	Error