



## C Lab Viva(Quiz)

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\* Required

Who is the father of C language? \*

- ☐ Rasmus Lerdorf
- ☐ James Gosling
- ☐ Dennis Ritchie
- ☐ Steve Jobs

How are String represented in memory in C? \*

- ☐ The object of some class.
- ☐ An array of characters.
- ☐ Same as other primitive data types.
- ☐ LinkedList of characters.

Which of the following is an exit controlled loop? \*

- ☐ For loop.



- ☐ None of the above.
- ☐ do-while loop
- ☐ While loop

How is an array initialized in C language? \*

- ☐ `int a = {1, 2, 3};`
- ☐ `int a[] = new int[3]`
- ☐ `int a(3) = [1, 2, 3];`
- ☐ `int a[3] = {1, 2, 3};`

Which loop always processes its instructions at least once? \*

- ☐ while
- ☐ do-while
- ☐ for
- ☐ All of the above



What is output of below program? \*

```
int main()
{
    int i,j,k,count;
    count=0;
    for(i=0;i<5;i++)
    {
        for(j=0;j<5;j++)
        {
            count++;
        }
    }
    printf("%d",count);
    return 0;
}
```

- ☐ 55
- ☐ 24
- ☐ 25
- ☐ 1

What is the size of the int data type (in bytes) in C? \*

- ☐ 4
- ☐ 8
- ☐ 1
- ☐ 2



A preprocessor directive is a statement that begins with\_\_\_\_\_ \*

- ☐ {
- ☐ #
- ☐ //
- ☐ /\*

Which of the following is the correct order of evaluation for the below expression? \*

$z = x + y * z / 4 \% 2 - 1$

- ☐ \* % / - + =
- ☐ / \* % - + =
- ☐ = \* / % + -
- ☐ \* / % + - =

Which of the following is not a programming control structure? \*

- ☐ Sequential
- ☐ Sorting
- ☐ Repetition
- ☐ Selection



Which of the following function is more appropriate for reading in a multi-word string? \*

- ☐ printf();
- ☐ puts();
- ☐ scanf();
- ☐ gets();

Predict the output of the following code segment: \*

```
#include<stdio.h>
int main()
{
    int array[10] = {3, 0, 8, 1, 12, 8, 9, 2, 13, 10};
    int x, y, z;
    x = ++array[2];
    y = array[2]++;
    z = array[x++];
    printf("%d %d %d", x, y, z);
    return 0;
}
```

- ☐ 10 9 10
- ☐ 9 10 9
- ☐ one of the above
- ☐ 9 9 10



You invoke a function with a function \*

- ☐ Call
- ☐ Prototype
- ☐ Declaration
- ☐ Definition

C is \_\_\_\_\_ type of programming language.? \*

- ☐ Object Oriented
- ☐ Functional
- ☐ Procedural
- ☐ Bit level language



What is output of below program? \*

```
int main()
{
    int i;

    for(i = 0,i<5,i++)
    {
        printf("Hello");
    }

    return 0;
}
```

- ☐ Runtime Error
- ☐ Compilation Error
- ☐ Hello is printed 4 times
- ☐ Hello is printed 5 times

What is the meaning of below lines? void sum (int, int); \*

- ☐ it will produce compilation error
- ☐ Can't comment
- ☐ sum is function which takes int arguments
- ☐ sum is a function which takes two int arguments and returns void



The correct format of declaring a function is: \*

- ☐ all of the above
- ☐ `type_of_return name_of_function (argument type){}`
- ☐ `type_of_return name_of_function (argument type);`
- ☐ `type_of_return (argument type) name_of_function;`

What is the disadvantage of arrays in C? \*

- ☐ Elements of an array can be accessed in constant time.
- ☐ The amount of memory to be allocated should be known beforehand.
- ☐ Elements are stored in contiguous memory blocks.
- ☐ Multiple other data structures can be implemented using arrays.





What is output of below program? \*

```
int main()
{
    int i,j,count;
    count=0;
    for(i=0; i<5; i++);
    {
        for(j=0;j<5;j++);
        {
            count++;
        }
    }
    printf("%d",count);
    return 0;
}
```

- ☐ 25
- ☐ 24
- ☐ 55
- ☐ 1

Which of the following is true \*

- ☐ gets() doesn't do any array bound testing and should not be used.
- ☐ gets() cannot read strings with spaces
- ☐ None of the above
- ☐ fgets() should be used in place of gets() only for files, otherwise gets() is fine



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