



C Programming Sample Questions





Multiple Choice Questions(MCQs)

1. Who invented C?
 - A) Charles Babbage
 - B) Grahambel
 - C) Dennis Ritchie
 - D) Steve Jobs

2. C is a which level language?
 - A) Low Level
 - B) High Level
 - C) Low + High
 - D) None

3. C is_____ type of language.
 - A) Object Oriented
 - B) Procedural
 - C) Bit level language
 - D) Functional

4. What is a C storage Class?
 - A) C Storage decides where to or which memory store the variable.
 - B) C Storage Class decides what is the default value of a variable.
 - C) C Storage Class decides what is the Scope and Life of a variable.
 - D) All the above.

5. Which among the following is a local variable?
 - A) auto
 - B) register
 - C) static
 - D) extern



6. Choose a right statement.

- A) A non static global variable can not be used in included files.
- B) A non static global variable can be used or referred to inside included files.
- C) A non static global variable does not live till the end of program execution.
- D) None of the above

7. Choose a right statement.

- A) Variables of type auto are initialized fresh for each block or function call.
- B) Variables of type static are initialized only first time the block or function is called.
- C) Variables of type register are initialized each time the block or function is executed.
- D) All the above.

8. What is the output of the C program?

```
int main()
{
    int a=0;
    a = 10 + 5 * 2 * 8 / 2 + 4;
    printf("%d", a);

    return 0;
}
```

- A) 124
- B) 54



- C) 23
- D) 404

9. What is the priority of C logical operators?

- A) NOT (!) > AND (&&) > OR (| |)
- B) NOT (!) > AND (&&) = OR (| |)
- C) AND (&&) > OR (| |) > NOT (!)
- D) AND (&&) = OR (| |) > NOT (!)

10. Which Loop is faster in C programming?

- A) for
- B) while
- C) do while
- D) All work at same speed

11. A declaration float a,b; occupies ____ of memory

- a) 1 byte
- b) 4 bytes
- c) 8 bytes
- d) 16 bytes

12. The size of a String variable is

- a) 1 byte
- b) 8 bytes
- c) 16 bytes
- d) None of these

13. The bitwise OR operator is used to

- a) set the desired bits to 1
- b) set the desired bits to 0



- c) divide numbers
- d) multiply numbers

14. The operator + in `a+=4` means

- a) `a=a+4`
- b) `a+4=a`
- c) `a=4`
- d) `a=4+4`

15. Which pair of functions below are used for single character I/O.

- a) `Getchar()` and `putchar()`
- b) `Scanf()` and `printf()`
- c) `Input()` and `output()`
- d) None of these

16. The output of `printf("%u", -1)` is

- a) -1
- b) minimum int value
- c) maximum int value
- d) Error message

17. What should be the expression return value for a do-while to terminate

- a) 1
- b) 0
- c) -1
- d) NULL

18. What should be the expression return value for a do-while to terminate

- a) 1



- b) 0
- c) -1
- d) NULL

19. A pointer to a pointer is a form of

- a) multiple indirections
- b) a chain of pointers
- c) both a and b
- d) None of these

20. Maximum number of elements in the array declaration `int a[5][8]` is

- a) 28
- b) 32
- c) 35
- d) 40

21. Array subscripts in C always start at

- a) -1
- b) 1
- c) 0
- d) Value provided by the user

22. If you don't initialize a static array, what will be the element set to?

- a) Zero
- b) A floating-point
- c) An undetermined value
- d) None of these.



23. Choose a correct statement with array pointer.
- A) It is valid to add an integer number to an array pointer. Result can be anything.
 - B) It is valid to subtract an integer number from array pointer. Result can be anything.
 - C) Difference of pointers to two elements of an array gives the difference between their indexes.
 - D) All the above
24. Which of the following statements is true?
- a) C Library functions provide I/O facilities
 - b) C inherent I/O facilities
 - c) C doesn't have I/O facilities
 - d) Both (a) and (c)
25. The printf() function returns which value when an error occurs?
- a) Positive value
 - b) Zero
 - c) Negative value
 - d) None of these
26. File manipulation functions in C are available in which header file?
- a) streams.h
 - b) stdio.h
 - c) stdlib.h
 - d) files.h
27. The meaning of conversion character for data input is
- a) Data item is a long integer
 - b) Data item is an unsigned decimal integer



- c) Data item is a short integer
- d) None of the above

28. Which of the following is a keyword is used for a storage class

- a) printf
- b) external
- c) auto
- d) scanf

29. A Link is

- a) a compiler
- b) an active debugger
- c) a C interpreter
- d) an analyzing tool in C

30. Pointers are of

- a) integer data type
- b) character data type
- c) unsigned integer data types
- d) None of these