

20 MCQs on Increment/Decrement and Conditional Statements in C Language

1. What is the value of x after executing: `int x = 5; x++;` ?

- A) 4
- B) 5
- C) 6
- D) 7

2. What is the output of: `int x = 10; printf("%d", ++x);` ?

- A) 9
- B) 10
- C) 11
- D) 12

3. What is the output of: `int x = 10; printf("%d", x++);` ?

- A) 9
- B) 10
- C) 11
- D) 12

4. Which operator has higher precedence?

- A) ++
- B) --
- C) *
- D) +

5. What is the result of: `int a = 5; int b = --a;` ?

- A) a=4, b=4
- B) a=5, b=4
- C) a=4, b=5
- D) a=6, b=5

6. What does the statement `(a > b) ? a : b` return?

- A) The smaller value
- B) The larger value
- C) Always a
- D) Always b

7. The conditional operator is also called:

- A) Ternary operator
- B) Binary operator
- C) Unary operator
- D) Logical operator

8. What is the output: `int x=3; x+=2; printf("%d",x);` ?

- A) 2
- B) 3
- C) 4
- D) 5

9. What is the output: `int x=5; printf("%d", --x);` ?

- A) 4
- B) 5
- C) 6
- D) 7

10. What is the output: `int x=5; printf("%d", x--);` ?

- A) 4
- B) 5
- C) 6
- D) 7

11. Which of the following is correct?

- A) `++x` increments after use
- B) `x++` increments before use
- C) `++x` increments before use
- D) `x--` increments before use

12. The conditional operator uses how many operands?

- A) 1
- B) 2
- C) 3
- D) 4

13. Which is the correct syntax?

- A) `condition ? expr1 : expr2`
- B) `condition : expr1 ? expr2`
- C) `condition expr1 ? expr2`
- D) `? condition expr1 expr2`

14. What is the value of x? `int x=5; x = x++ + ++x;`

- A) 10
- B) 11
- C) 12
- D) Undefined

15. What is the output: `int a=1,b=2; int c=(a>b)?a:b;`

- A) 1
- B) 2
- C) 3
- D) 0

16. Which operator is used to check a condition?

- A) `++`
- B) `? :`
- C) `=`
- D) `,`

17. What is the output: `int x=7; x-=2;`

- A) 4
- B) 5

- C) 6
- D) 7

18. What is the output: `int x=3; printf("%d", ++x + x++);`

- A) 6
- B) 7
- C) 8
- D) Undefined

19. What does `--x` do?

- A) Decrements after use
- B) Decrements before use
- C) Increments before use
- D) Does nothing

20. Which is true about increment operators?

- A) They only work with integers
- B) They work with all numeric types
- C) They don't return a value
- D) They can be used on strings