
20 MCQs: Increment/Decrement + Conditional Statements

Part A – Increment & Decrement (10 MCQs)

1. Which operator is executed first in `++i + i++`?

- A) `i++`
- B) `++i`
- C) Both simultaneously
- D) None

Answer: B

2. If `int i = 5; printf("%d", i++);` the output will be:

- A) 4
- B) 5
- C) B
- D) Error

Answer: B

3. If `int i = 5; printf("%d", ++i);` the output will be:

- A) 4
- B) 5

- C) B
- D) Error

Answer: C

4. What is the value of i after `i = 10; i--;`?

- A) 10
- B) 11
- C) 9
- D) 8

Answer: C

5. Result of `int a = 5; int b = a++ + ++a;`

- A) 10
- B) 11
- C) 12
- D) 13

Answer: D

(Explanation: $a++ \rightarrow 5$, $++a \rightarrow 1 \rightarrow 5 + 1 = 12$)

B. Post-increment means:

- A) Value increases first
- B) Value increases after expression
- C) Value decreases
- D) None

Answer: B

C. Pre-decrement means:

- A) Value decreases before use
- B) Value decreases after use
- C) Value increases
- D) None

Answer: A

8. Expression: $i = 3; j = ++i * 2;$ value of $j?$

- A) 4
- B) 6
- C) 8
- D) 10

Answer: C

9. Expression: $i = 3; j = i++ * 2;$ value of i after execution?

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

Answer: C

10. Which has higher priority?

- A) * multiplication
- B) ++ increment
- C) Both equal
- D) Depends on compiler

Answer: B

Part B – Conditional Statements (10 MCQs)

11. Which statement is used for decision-making in C?

- A) switch
- B) if
- C) if-else
- D) All of the above

Answer: D

12. Syntax of if statement is:

- A) if (condition) { }
- B) if condition ;
- C) if { condition }
- D) if (condition);

Answer: A

13. if (x = 5) means:

- A) Compare x with 5
- B) Assign 5 to x
- C) Error
- D) None

Answer: B



14. if (x == 5) means:

- A) Compare x with 5
- B) Assign 5 to x

- C) Error
- D) None

Answer: A

15. Which operator is used in conditional expression?

- A) ?:
- B) &&
- C) ++
- D) ==

Answer: A



16. What is the output of:

```
int x = 10;  
if (x > 5)  
    printf("Yes");  
else  
    printf("No");
```

- A) Yes
- B) No
- C) Runtime Error
- D) Nothing

Answer: A

17. Which statement allows multiple selections?

- A) if
- B) if-else
- C) switch
- D) goto

Answer: C

18. In switch statement, each case ends with:

- A) end
- B) break

- C) stop
- D) exit

Answer: B

19. Default case in switch is:

- A) Optional
- B) Mandatory
- C) Must be first
- D) Must be last

Answer: A

20. Output of:

```
int x = 0;  
if (x)  
    printf("True");  
else  
    printf("False");
```

- A) True
- B) False
- C) Error
- D) 0

Answer: B

2.

Program to find maximum between three number using nested if ?

Ans:

I will give explanation + output example also.

Program: Maximum Between Three Numbers (Using Nested if)

```
#include <stdio.h>
```



```
int main()
```

```
    int a, b, c;
```

```
    printf("Enter three numbers: ");  
    scanf("%d %d %d", &a, &b, &c);
```

```
    if (a > b) {
```

```
        if (a > c) {
```

```
        printf("Maximum = %d", a);
    } else {
        printf("Maximum = %d", c);
    }
} else {
    if (b > c) {
        printf("Maximum = %d", b);
    } else {
        printf("Maximum = %d", c);
    }
}

return 0;
}
```

Explanation

First check if $a > b$

If YES \rightarrow compare a with c

If NO \rightarrow compare b with c

The largest number is printed.

 Example Output

Enter three numbers: 10 25 15

Maximum = 25