

1. What is the value of x after the following code?

int $x = 5;$

$x++;$

A) 4 C) 6

B) 5 D) 7

Ans:- $x = 5 + 1 = 6$

2. What is printed?

int $x = 10;$

printf ("%d", ++x);

A) 9 C) 11

B) 10 D) Compiler error

Ans:- $x = 10 + 1 = 11$

3. What is printed?

int $x = 10;$

printf ("%d", x++);

A) 9 C) 11

B) 10 D) 12

Ans:- 10

4. What is the final value of x ?

int $x = 3;$

int $y = ++x + x++;$

A) $x = 4$ C) $x = 6$

B) $x = 5$ D) $x = 7$

Ans x becomes 5

5. What is the value of y in the previous question?

A) 7 B) 8 C) 9 D) 10

Ans:- $4 = 4 + 4 = 8$

$++x = 4, x++ = 4$

$4 + 4 = 8.$

6. What are the post-decrement do?

A. Decreases after using the value

B. Decreases before using the value

C. Increases before using the value

D. No effect

7. What is printed?

int x=5;

A) 3

C) 5

printf("%d", --x);

B) 4

D) 6

Ans:- $x = 5 - 1 = 4$

8. What is printed?

int x=5;

A) 3

C) 5

printf("%d", x--);

B) 4

D) 6

9. Which operator has higher precedence?

A. Post-increment

B. Pre-increment

C. They have equal precedence

D. Addition.

10. What is the output?

A) 6 B) 8 C) 9 D) Undefined.

int x=5;

int y=x++ * ++x;

Ans:- undefined behavior in C/C++

11. What is printed?

int x=7;

A) 8

C) 10

printf("%d", ++x+2);

B) 9

D) 11

Ans:- $x = 7 + 1 = 8 + 2 = 10$

12. What is printed?

int x=4;

A) 46 C) 55

printf("%d.%d", x++ , ++x);

B) 45

D) Undefined.

13. Which is valid?

A. ++(x+1) B) (x++)++ C) ++x D. x+++

14. What is the final value of x?

int x=10;

x = x++ + 4*x;

A) 20

B) 21

C) Undefined

D) 22.

15. What happens if you use it on a constant?

4+10;

A) 11 B) 10 C) valid but meaningless D) compiler error

16. What is printed?

int x=1;

printf("%d", x++ + x++);

A) 2 B) 3 C) 4 D) undefined

17. Which operator modifies the variable?

A) ++ B) x+=1 C) 4*x D) Both B and C

18. What is the final value of x?

int x=0;

x++;

4*x;

x=-;

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

19. Which one is equivalent to $x = x++$?

A) ++x B) x++ C) Both D) None

20. What is printed?

int x=5;

printf("%d", --x - x--);

A) 0 B) 1 C) -1 D) undefined

2. Program to find maximum Between two Numbers Using nested if?

```
#include <stdio.h>
int main()
{
    int a,b;
    printf(" Enter two numbers: ");
    scanf("%d %d", &a, &b);
    if(a != b)
        if(a > b)
            printf("\n a is greater.\n", a);
        else
            printf("\n b is greater.\n", b);
    else
        printf("\n Both numbers are Equal.\n");
    return 0;
}
```

2. Program to find maximum among 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("%d is the greatest.\n", a);
        }
        else
        {
            printf("%d is the greatest.\n", c);
        }
    }
    else
    {
        if (b>c)
        {
            printf("%d is the greatest.\n", b);
        }
        else
        {
            printf("%d is the greatest.\n", c);
        }
    }
    return 0;
```