

1) Prepare 20 MCQs on increment and decrement operators

1. What is the output of $x=5;$
 $\text{printf}(" \%d ", x++); ?$

a) 5

b) 6

c) 4

d) Error

2. What is the output of $x=5;$
 $\text{printf}(" \%d ", ++x); ?$

a) 5 ✓ b) 6 c) 4

d) Error

3. What is the difference between $x++$ and $++x?$

a) $x++$ is pre-increment, $++x$ is post-increment
✓ $x++$ is post-increment, $++x$ is pre-increment

c) Both are same

d) None

4. What is the output of $x=5; y=x++;$

$\text{printf}(" \%d ", y); ?$

✓ a) 5 b) 6 c) 4 d) Error

5. What is the output of $x=5; y=++x;$

$\text{printf}(" \%d ", y); ?$

a) 5 ✓ b) 6 c) 4 d) Error

6. Which operator is used to decrement variable?

a) $++$

✓ b) $--$ (b) $= =$ (d) $!=$

7. What is the output of $x=5;$
 $\text{printf}(" \%d ", x--);$?
a) 5 b) 6 c) 4 d) E8808
✓c) 4
8. What is the output of $x=5;$
 $\text{printf}(" \%d ", --x);$?
a) 5 b) 6 ✓c) 4 d) E8808
✓c) 4
9. Can increment and decrement operators be used with constants?
a) Yes ✓b) No c) Maybe d) None
✓b) No
10. What is the output of $x=5; y=x++ + ++x;$
 $\text{printf}(" \%d ", y);$?
a) 11 ✓b) 12 c) 10 d) E8808
✓b) 12
11. What is the output of $x=5; y=++x + x++;$
 $\text{printf}(" \%d ", y);$?
a) 11 ✓b) 12 c) 10 d) E8808
✓b) 12
12. Which of the following is a valid C statement?
a) $X = ++5;$ b) $X = 5++;$ ✓c) $X = ++X;$ d) $X = X++;$
✓c) $X = ++X;$
13. What is the output of $x=5; y=x--- - - - x;$
 $\text{printf}(" \%d ", y);$?
a) 0 b) 1 ✓c) 2 d) E8808
✓c) 2
14. What is the output of $x=5; y=--x -$
 $x--;$ $\text{printf}(" \%d ", y);$?
✓a) 0 b) 1 c) 2 d) E8808
✓a) 0

15. can increment and decrement operators
be used with pointers?
a) Yes, b) No, c) maybe, d) None
16. What is the output of $x=5;$
 $\text{printf}(\text{"%d"}, x); x++;$
 $\text{printf}(\text{"%d"}, x); ?$
- a) 55 ✓56 c) 65 d) 66
17. What is the output of $x=5;$
 $\text{printf}(\text{"%d"}, x); ++x;$
 $\text{printf}(\text{"%d"}, x); ?$
- a) 55 ✓56 c) 65 d) 66
18. Which operator has higher precedence?
✓ $++$ b) $+$ c) Both have same
precedence d) None
19. What is the output of $x=5; y=x++ + 5;$
 $\text{printf}(\text{"%d"}, y); ?$
- ✓10 b) 11 c) 9 d) Error
20. What is the output of $x=5; y=++x+5;$
 $\text{printf}(\text{"%d"}, y); ?$
- a) 10 ✓11 c) 9 d) Error.

2. Program to find maximum between three numbers using nested if

```
#include <stdio.h>
int main() {
    int num1, num2, num3;
    printf("Enter Three numbers :");
    scanf("%d %d %d", &num1, &num2, &num3);
    if (num1 >= num2) {
        if (num1 >= num3) {
            printf("%d is the maximum", num1);
        } else {
            printf("%d is the maximum", num3);
        }
    } else {
        if (num2 >= num3) {
            printf("%d is the maximum", num2);
        } else {
            printf("%d is the maximum", num3);
        }
    }
    return 0;
}
```