# Java Increment and Decrement Operator Questions

1. What is the difference between ++a and a++?

2. What will be the output of the following?  
 int a = 5;  
 System.out.println(++a);  
 System.out.println(a++);  
 System.out.println(a);

3. What is the result of the following expression?  
 int a = 10;  
 int b = a++ + ++a;  
 System.out.println("b = " + b);

4. What will be printed?  
 int x = 5;  
 int y = x++ + x++ + x++;  
 System.out.println("x = " + x);  
 System.out.println("y = " + y);

5. Can increment/decrement be applied to constants?  
 System.out.println(5++);

6. What is the output?  
 int i = 0;  
 System.out.println(i++ - --i + ++i);

7. What is the output?  
 int a = 1;  
 a = a++ + ++a \* a++;  
 System.out.println(a);

8. What happens here?  
 int a = 5;  
 int b = 5;  
 if (a++ == ++b) {  
 System.out.println("Equal");  
 } else {  
 System.out.println("Not Equal");  
 }

9. Evaluate the final value of x:  
 int x = 3;  
 x = x++ + ++x - --x;

10. What is the value of i and j?  
 int i = 1, j = i++ + i++ + i++;

11. MCQ: What will be the output?  
 int x = 10;  
 int y = x++ + ++x;  
 System.out.println("x = " + x);  
 System.out.println("y = " + y);  
 a) x = 11, y = 21  
 b) x = 12, y = 22  
 c) x = 12, y = 21  
 d) x = 11, y = 22

12. Choose the correct output:  
 int i = 5;  
 System.out.println(i++ - --i + ++i - i--);  
 a) 4  
 b) 5  
 c) 6  
 d) 0

13. What is the output?  
 int a = 5;  
 System.out.println(++a + a++ + a);

14. What is the output?  
 int a = 2;  
 int b = 3;  
 int c = a++ + --b \* ++a;  
 System.out.println("c = " + c);

15. What is the output?  
 int i = 1;  
 i = i++ + ++i \* i--;  
 System.out.println(i);