

## Java Operator Interview Questions

1. What is an operator in Java? Explain with examples.

2. What are the types of operators in Java?

3. What is the difference between = and == ?

4. What is the difference between == and .equals() ?

5. Predict the output:

```
int a = 10;
```

```
System.out.println(a++);
```

```
System.out.println(++a);
```

6. Predict the output:

```
int a = 5, b = 10;
```

```
System.out.println(a > b && a++ < 10);
```

```
System.out.println(a);
```

7. Predict the output:

```
int x = 5;
```

```
int y = x++ + ++x + --x;
```

```
System.out.println(y);
```

8. Predict the output:

```
int x = 10;
```

```
x = x++ + x-- - ++x;
```

```
System.out.println(x);
```

9. Is this valid? Why?

```
int a = (true) ? 10 : "Hello";
```

10. Convert this into ternary operator:

```
if (a > b) max = a; else max = b;
```

11. What is the difference between `&&` and `&` ?

12. What is short-circuit evaluation?

13. Explain operator precedence in Java.

14. Predict the output:

```
int result = 10 + 20 * 3;
```

```
System.out.println(result);
```

15. What is the difference between `a += 5` and `a = a + 5`?

16. Why is this invalid?

```
byte b = 10;
```

```
b = b + 1;
```

17. Why is this valid?

```
byte b = 10;
```

```
b += 1;
```