

1. What are the conditional operators in java?

Ans: conditional operators are also called as ternary operators which includes ?,: and ;.
Syntax:(condition)?T:F;

2. What are the types of operators based on the number of operands?

Ans: there are following types of operators based on the number of operands:

1. Arithmetic operators
2. Assignment operators
3. Relational operators
4. Logical operators
5. Bitwise operators

3. What is the use of Switch case in Java programming?

Ans: Switch case in java is used to match the condition from many conditions.

4. What are the priority levels of arithmetic operation in java?

Ans: priority levels are: Multiplication, Division, Modulus, Addition and Subtraction.

5. What are the conditional statements and use of conditional statements in java?

Ans: conditional statements are used to make decisions based on the condition. Conditional statements are if-else statement ,switch case statements and ternary operators.

6. What is syntax of if else statement?

Ans: syntax: if(condition)

```
{
    Body
}
else
{
    Body
}
```

7. What are the 3 types of iterative statements in java?

Ans: types of iterative statements:

- 1.While loop: executes the loop when the given condition is true.
- 2.For-loop: executes the loop fixed number of times.
- 3.Do-while loop: executes the loop at least one time if condition is false and runs for the provided condition in while().

8. Write the difference between for loop and do-while loop?

Ans: for loop is used when the number of iterations is known, whereas if the number of iteration is not known and you want to execute the loop at least once then do-while loop is used .

9. Write the program to print numbers from 1 to 10.

```
Ans: public class numbers {
    public static void main(String[] args) {
        for (int i=1;i<=10;i++){
            System.out.println(i);
        }
    }
}
```