Operators And Loops

1.What are the conditional operators in java?

In Java, conditional operators check the condition and decide the desired result on the basis of both conditions. In this section, we will discuss the conditional operator in Java.
There are three types of the conditional operator in Java:
Conditional AND
Conditional OR
Ternary operator

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

There are three types of operators based on the number of operands. An operator is called a unary, binary, or ternary operator based on the number of operands. If an operator takes one operand, it is called a unary operator; if it takes two operands, it is Called a binary operator,if it takes three operands,it is called as ternary operator

3.What is the use of switch case in java programming?

The java switch statements executes one statement from multiple condition.it is like if-else-if ladder statement.the switch statement works with byte,short,int,long,enum types,string and some wrapper types like byte,short,int and long,since java 7,you can use strings in the switch statements.
In the other words,the switch statement tests the quality of a variable against multiple values.

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

When we talk about precedence in Java, the operator comes first in mind. There are certain rules defined in Java to specify the order in which the operators in an expression are evaluated. Operator precedence is a concept of determining the group of terms in an expression. The operator precedence is responsible for evaluating the expressions. In Java, parentheses() and Array subscript[] have the highest precedence in Java. For example, Addition and Subtraction have higher precedence than the Left shift and Right shift operators.

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

There are used when a condition comprises more than one boolean expression.for instance, if we want to print any number only if it is greater than 2 and less than 5,then we will use conditional operators to combine the 2 expression.we have 3 types of conditional operators -logical-and,logical or and ternary operator,
You can use these conditions to perform different actions for different decisions.

6.What is the syntax of if else statement?

Following is the syntax of an if...else statement −

if(Boolean expression) {
    //Execute_when the Boolean expression is true
}else {
    //Execute when the Boolean expression is false
}

If the boolean expression evaluates to true, then the if block of code will be executed, otherwise the else block of code will be executed.

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

The three types of iteration constructs are:

      1-For loop: Executes a set of statements a fixed number of times.

      2-While loop: Repeats a set of statements while a given condition is true.

      3-Do-while loop: Repeats a set of statements at least once and then continues to repeat as long as a given condition is true.

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

The major difference between for loop and while loop is that in the case of for loop the number of iterations is known whereas in the case of the while loop number of iterations is unknown and the statement will run until the condition is proved false.

9.Write a program to print numbers from 1-10.

```
Public class For_Loop
{
     Public static void main (string[] args)
     {
          for(int i = 1; i <= 10; i++)
          {
               system.out.println(i);
          }
```

```
        }
}
```