Operators and Loops Assignment Questions

Assignment:

1. What are the conditional operators in java?

Ans →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.

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

Ans →[Arithmetic Operators](https://www.geeksforgeeks.org/java-arithmetic-operators-with-examples/), [Unary Operators](https://www.geeksforgeeks.org/java-unary-operator-with-examples/), [Assignment](https://www.geeksforgeeks.org/java-assignment-operator-with-examples/) Operators, [Relational Operators](https://www.geeksforgeeks.org/java-relational-operators-with-examples/), [Logical Operators](https://www.geeksforgeeks.org/java-logical-operators-with-examples/), [Ternary](https://www.geeksforgeeks.org/java-ternary-operator-with-examples/) Operators, [Bitwise Operators, Shift Operators](https://www.geeksforgeeks.org/operators-in-java/), [instance of operator](https://www.geeksforgeeks.org/java-instanceof-and-its-applications/)

1. What is the use of switch case in Java programming?

Ans → The switch statement is a multi-way branch statement. In simple words, the Java switch statement executes one statement from multiple conditions. It is like an [if-else-if](https://www.javatpoint.com/java-if-else) ladder statement. It provides an easy way to dispatch execution to different parts of code based on the value of the expression. Basically, the expression can be a byte, short, char, and int primitive data types. It basically tests the equality of variables against multiple values.

1. What are the priority levels of arithmetic operation in Java?

Ans → The Multiplication(\*), Division(/) and Module Division(%) operators have the highest priority, and Addition(+) and Subtraction(-) operators have the lowest priority.

1. What are the conditional statements and use of conditional statements in Java?

Ans → Conditional statements are one of the significant parts of "Control Structure" in Java. Conditional statements are based on certain conditions and generate decisions accordingly. These statements are a bunch of codes that can be executed by "decisions statements".

It is used to decide whether a certain statement or block of statements will be executed or not i.e if a certain condition is true then a block of statement is executed otherwise not.

1. What is the syntax of if else statement?

Ans → if(condition){

// code if condition is true

} else{

// code if condition is false

}

1. What are the three types of iterative statements in Java?

Ans → For statement

While statement

Do-while statement

1. Write the difference between for loop and do-while loop.

Ans → I. In for loop statement is executed once the condition is checked, in do-while loop condition is checked after the statement is executed.

II. For loop might be that statement gets executed zero times, do-while loop statement is executed at least once.

III. for loop is entry controlled loop, do-while loop is exit controlled loop.

1. Write a 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 );

}

}

}