**Assignment 4**

1. **What are Conditional Operators in Java?**

The conditional operator is also known as the ternary operator. This operator consists of three operands and is used to evaluate Boolean expressions. The goal of the operator is to decide; which value should be assigned to the variable.

1. **What are types of operators based on no. of operands?**

* Arithmetic Operators
* Unary Operators
* Shift Operators
* Relational Operators
* Bitwise Operators
* Logical Operators
* Assignment Operators
* Ternary Operators

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

The switch statement or switch case in java is a multi-way branch statement. Based on the value of the expression given, different parts of code can be executed quickly.

1. **What are the priority levels of Arithmetic Operations in Java?**

Precedence is the priority for grouping different types of operators with their operands. It is meaningful only if an expression has more than one operator with higher or lower precedence. The operators having higher precedence are evaluated first. If we want to evaluate lower precedence operators first, we must group operands by using parentheses and then evaluate.

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

In programming languages like the real world, we must make decisions based on some conditions to perform the tasks. Conditional statements in programming languages help us to make such decisions.

1. **What is the syntax of if-else in Java?**

**if**(condition){

//code if condition is true

}**else**{

//code if condition is false

}

1. **What are 3 types of iterative functions in Java?**

* For loop
* While loop
* Do While Loop

1. **Write the difference between for and do while loop?**

* The for loop checks the condition before each iteration. If the condition is false initially, the loop body is not executed at all.
* A do while loop is a control flow statement that executes a block of code at least once, and then repeatedly executes the block as long as a specified condition is true.

1. **Write a program to print numbers 1 to 10?**

**class printOneToTen**

**{**

**public static void main(String[] args)**

**{**

**for(int i=1;i<11;i++)**

**{**

**System.out.println(i);**

**}**

**}**

**}**