

Assignment - 6

(Operators and Loops)

1. What are the Conditional Operators in Java?

Ans: Conditional operators are the operators in java which are used to check conditions and produce results according to the conditions.

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

Ans: There are two mathematical operators i.e unary and binary.

Unary operators performs an action with a single operand.

Binary operators performs the action with two operands.

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

Ans: In java programming, the concept of switch case is there in which we match the expression assigned, with different cases and if that expression matches any of the cases then it will execute the statement of that particular case.

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

Ans: The priority levels of arithmetic operation in java is defined as PEMDAS. It stands for Parentheses, Exponents, Multiplication/Division, Addition/Subtraction.

5. What are the Conditional Statements and use of Conditional Statements in java?

Ans: The conditional statements are the statements which comes with a particular condition through which you performs operations according to the conditions. Based on the condition only the specific block gets executed.

ex- IF - ELSE statements, in this when the condition of "IF" parameter is true then the body or block of "IF" gets executed otherwise the body of "ELSE" statement will get executed.

6. What is the syntax of IF - ELSE statements?

Ans: Syntax:-

```
if(Condition)
{
    //body
}
else
{
    //body
}
```

7. What are the three types of Iterative statements in Java?

Ans: The three types of Iterative statements in java are:-

- a). for loop
- b). while loop
- c). do - while loop

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

Ans: For loop - In for loop after the initialization process, loop checks for the condition whether the condition is true or false and then the body gets executed and then updation of the value takes place.

do - while loop - In do - while loop after the initialization, firstly the execution of the body takes place and then the condition check happens. So in do - while loop at least one time the body will get executed.

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

Ans: class Main

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