**Operators and Loops**

**Assignments Questions**

**l. What are the Conditional Operators in Java?**

There are three types of conditional statements in java

* **Conditional/logical AND ( && )**
* **Conditional/logical OR ( || )**
* **Ternary Operator ( ? : )**

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

There are three types of operators based on number of operands:-

Unary **( ++, --, ! )**

Binary **( +, -, \*, /, % )**

Ternary **( ? : )**

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

The Java switchstatemen*t* executes one statement from multiple conditions. It is like [if-else-if](https://www.javatpoint.com/java-if-else) ladder statement.

public class check {

    public static void main(String args[]){

        int i=3;

        switch(i){

            case 1: System.out.println("One");break;

            case 2: System.out.println("Two");break;

            case 3: System.out.println("Three");break;

            case 4: System.out.println("Four");break;

            case 5: System.out.println("Five");break;

            case 6: System.out.println("Six");break;

            case 7: System.out.println("Seven");break;

            case 8: System.out.println("Eight");break;

            case 9: System.out.println("Nine");break;

            default: System.out.println("Greater than 9");

        }

    }

}

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

Arithmetic operators are  **+, -, \*, /, %.**

And its precedence is

* **, / , %**
* **+ , -**

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

Java has the following conditional statements:

* Use if to specify a block of code to be executed, if a specified condition is true
* Use else to specify a block of code to be executed, if the same condition is false
* Use else if to specify a new condition to test, if the first condition is false
* Use switch to specify many alternative blocks of code to be executed

**6. What is the syntax of if else statement?**

The Syntax is:

if(**condition**){

Code to be executed if the **condition is true**.

}

else{

code to be executed if **condition in if statement is false**

}

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

The three iterative statement in java is :

* for loop
* while loop
* do while loop

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

A while loop is a control flow statement that allows code to be executed repeatedly based on a given Boolean condition.

class print{

    public static void main(String []ars){

        int i=0;

        while(i<5){

            System.out.println("\*");

            i++;

        }

    }

}

do while loop is similar to while loop with the only difference that it checks for the condition after executing the statements.

class print{

    public static void main(String []ars){

        int i=0;

        do{

            System.out.println("\*");

            i++;

        }while(i<5);

    }

}

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

class print{

    public static void main(String []parameter){

        for(int i=1;i<=10;i++){

            System.out.print(i +" ");

        }

    }

}