Control Statements in Java

(Part - 3)

Control Statements
Alter the flow of execution of the programs

(1) Decision-making/ Conditional Statements/(Branching and Selection)

    (a) if statement

    (b) if-else statement

    (c) switch statement

(2) Loop statements:

(a) for statement

    (b) while statement

    (c) do-while **statement**

(3) Breaking control statements :

    (a) break statement

    (b) continue statement

    (c) goto statement

for .. statement

➢ Executing a statement a number of times

➢ We know in advance about the number of times that the statement to be executed

Syntax

**for (expression 1; expression 2; expression 3)
statement;**

The for statement

Syntax

for (initial condition; test condition; increment or decrement condition)

{

       statement 1

       statement 2

       ....

       ….....

       statement n

}

Example 1

```
class Test1
{
        public static void main(String args[])
        {
                int i , sum = 0 ;
                for (i=1 ; i <=5 ; i++)
                sum = sum + i ;
                System.out.println("Sum: "+sum);
        }
}
```

Example 2

```
class Test2
{
        public static void main(String args[])
        {
                int i = 0 ;
                System.out.println("Table of 5 -\n");
                for (i=1 ; i<=10 ; i++)
                System.out.println("5 * "+ i + " : " + (5*i));
        }
}
```

Thank you