Control Statements in Java

(Part - 4)

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-whil**e statement**

(3) Breaking control statements :

      (a) break statement

      (b) continue statement

      (c) goto statement

while statement

➢ Repeats the execution of a single statement (or) a set/ group/ block/ bunch of statements for "n" number of times until the condition is True

➢ Iterative Statement/ Looping statement

while statement

➢ Condition is checked at the beginning

Syntax:

```
while (condition)
{
    statements;
}
```

Example

```
class Test1
{
    public static void main(String args[])
    {
        int i = 1 ;
        sum = 0 ;

        while (i <= 3)
        {
            sum = sum + i ;
            i++ ;
        }
        System.out.println("Sum : "+sum);
    }
}
```

do … while statement

➢ Condition is checked at the bottom

Syntax:

```
do
{
        statements ;
}
while (condition);
```

Example

```java
class Test2
{
  public static void main(String args[])
  {
    int num , temp ;
    num = 123;
    System.out.print(" The Reverse Number is : ");
    do
    {
        temp = num % 10 ;
        System.out.print(temp);
        num = num / 10 ;
    }
    while (num != 0) ;
  }
}
```

Thank you