

For Loop: When we need to execute a block of code several number of times then we need to use looping concept in Java language.

In Java Programming Language for loop is a statement which allows code to be repeatedly executed.

for loop in Java language is used to iterate the statements or a part of the program several times.

For Loop Syntax:

```
for(initialization; condition; increment/decrement)
{
    statements;
}
```

Initialization: This step is execute first and this is execute only once when we are entering into the loop first time. This step is allow to declare and initialize any loop control variables.

Condition: This is next step after initialization step, if it is true, the body of the loop is executed, if it is false then the body of the loop does not execute and flow of control goes outside of the for loop.

Increment or Decrement: After completion of Initialization and Condition steps loop body code is executed and then Increment or Decrements steps is execute. This statement allows to update any loop control variables.

