



Java Loops

Press Space for next page →



Agenda

1. Loops?
2. For Loop
3. For Loop Example
4. Nested For Loop Example

Loops?

Loops are used to execute a set of statements repeatedly until some condition evaluates to false.



LOOPS REPEAT
ACTIONS...
SO YOU DON'T HAVE TO

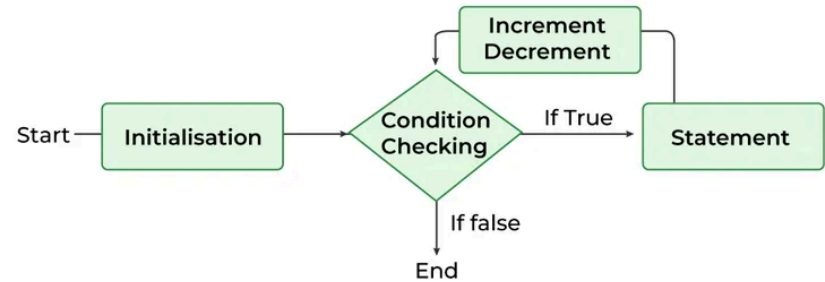
There are **three(3)** types of loops in Java:

- *For Loop*
- *While Loop*
- *Do-While Loop*

For Loop

- **Initialization:** Start variable/value of the loop. It is executed only once.
- **Condition:** The loop continues until the condition is true.
- **Increment/Decrement:** Increases or decreases the value of the loop variable.
- **Statement:** The code block that is executed in each iteration.

```
for (Initialization; Condition; Increment/Decrement) {  
    // Inner code block  
}
```



For Loop Example


```
public class Main {  
  
    public static void main(String[] args) {  
        for (int i = 0; i < 5; i++) {  
            System.out.println(i);  
        }  
    }  
}
```

```
for (int i = 0; i < 3; i++) {  
    System.out.println("i is now " + i);  
}
```

Nested For Loop Example

```
public class Main {  
  
    public static void main(String[] args) {  
        for (int i = 0; i < 3; i++) { // Outer loop  
  
            for (int j = 0; j < 3; j++) { // Inner loop  
                System.out.println("i: " + i + ", j: " + j);  
            }  
        }  
    }  
}
```

Thank you 

 [qa-june-2024-automation-with-java-slides](#)