

09/16/2022

Shawn Bataju

Week 2 Research

The different types of loops in Java are for loop, while loop, and do ... while loop. The for loop is used when we know the number of times the loop needs to run, and it falls under the deterministic type of loop.

The for loop is used in the following way:

```
for (initialize a variable; condition; increment variable)

{

    Statements to run while conditions are true;

}
```

The following is an example that prints the numbers 0 to 9:

```
for (int i = 0; i < 10; i++)

{

    System.out.println(i);

}
```

References:

- Class lecture with Mike Mayhew
- <https://www.developer.com/design/using-different-types-of-java-loops-looping-in-java/#:~:text=out%20TechRepublic%20Academy!-.Looping%20in%20Java,while%20statements.>
- <https://www.w3resource.com/java-tutorial/java-for-loop.php>