



# Java For Loop

[< Previous](#)[Next >](#)

## Java For Loop

When you know exactly how many times you want to loop through a block of code, use the **for** loop instead of a **while** loop:

### Syntax

```
for (statement 1; statement 2; statement 3) {  
    // code block to be executed  
}
```

**Statement 1** is executed (one time) before the execution of the code block.

**Statement 2** defines the condition for executing the code block.

**Statement 3** is executed (every time) after the code block has been executed.

The example below will print the numbers 0 to 4:

### Example

```
for (int i = 0; i < 5; i++) {  
    System.out.println(i);  
}
```

Try it Yourself »

## Example explained

Statement 1 sets a variable before the loop starts (int i = 0).

Statement 2 defines the condition for the loop to run (i must be less than 5). If the condition is true, the loop will start over again, if it is false, the loop will end.

Statement 3 increases a value (i++) each time the code block in the loop has been executed.

---

## Another Example

This example will only print even values between 0 and 10:

### Example

```
for (int i = 0; i <= 10; i = i + 2) {  
    System.out.println(i);  
}
```

Try it Yourself »

---

## Test Yourself With Exercises

# Exercise:

Use a **for** loop to print "Yes" 5 times.

```
(int i = 0; i < 5;    ) {  
System.out.println(    );  
}
```

[Submit Answer »](#)

[Start the Exercise](#)

[◀ Previous](#)

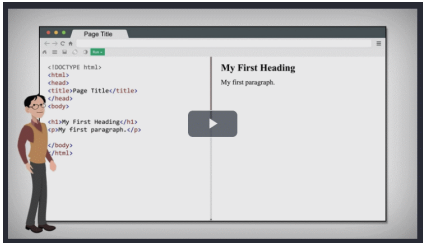
[Next ▶](#)

ADVERTISEMENT



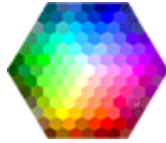
NEW

We just launched  
W3Schools videos



Explore now

## COLOR PICKER



Get certified  
by completing  
a Java  
course today!



Get started

## CODE GAME



Play Game

ADVERTISEMENT



ADVERTISEMENT



ADVERTISEMENT



[Report Error](#)

[Spaces](#)

[Pro](#)

[Buy Certificate](#)

---

## Top Tutorials

[HTML Tutorial](#)  
[CSS Tutorial](#)  
[JavaScript Tutorial](#)  
[How To Tutorial](#)  
[SQL Tutorial](#)  
[Python Tutorial](#)  
[W3.CSS Tutorial](#)  
[Bootstrap Tutorial](#)  
[PHP Tutorial](#)  
[Java Tutorial](#)  
[C++ Tutorial](#)  
[jQuery Tutorial](#)

## Top References

[HTML Reference](#)  
[CSS Reference](#)  
[JavaScript Reference](#)  
[SQL Reference](#)  
[Python Reference](#)  
[W3.CSS Reference](#)  
[Bootstrap Reference](#)  
[PHP Reference](#)  
[HTML Colors](#)  
[Java Reference](#)  
[Angular Reference](#)  
[jQuery Reference](#)

## Top Examples

[HTML Examples](#)  
[CSS Examples](#)  
[JavaScript Examples](#)  
[How To Examples](#)  
[SQL Examples](#)  
[Python Examples](#)  
[W3.CSS Examples](#)  
[Bootstrap Examples](#)  
[PHP Examples](#)

[Java Examples](#)  
[XML Examples](#)  
[jQuery Examples](#)

## Get Certified

[HTML Certificate](#)  
[CSS Certificate](#)  
[JavaScript Certificate](#)  
[Front End Certificate](#)  
[SQL Certificate](#)  
[Python Certificate](#)  
[PHP Certificate](#)  
[jQuery Certificate](#)  
[Java Certificate](#)  
[C++ Certificate](#)  
[C# Certificate](#)  
[XML Certificate](#)

---

[FORUM](#) | [ABOUT](#)

W3Schools is optimized for learning and training. Examples might be simplified to improve reading and learning. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using W3Schools, you agree to have read and accepted our terms of use, cookie and privacy policy.

Copyright 1999-2022 by Refsnes Data. All Rights Reserved.  
W3Schools is Powered by W3.CSS.

