



Java while Keyword

[< Java Keywords](#)

Example

In the example below, the code in the loop will run, over and over again, as long as a variable `i` is less than 5:

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

[Try it Yourself »](#)

Definition and Usage

The `while` loop loops through a block of code as long as a specified condition is `true`.

Note: Do not forget to increase the variable used in the condition, otherwise the loop will never end!

More Examples

The **do/while** loop is a variant of the **while** loop. This loop will execute the code block once, before checking if the condition is true, then it will repeat the loop as long as the condition is true:

Example

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

Try it Yourself »

Related Pages

Read more about while loops in our [Java While Loop Tutorial](#).

[◀ Java Keywords](#)

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

[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.



