

TypeScript continue

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Summary: in this tutorial, you will learn about the TypeScript `continue` statement.

The `continue` statement is used to control a loop such as a `for` loop, a `while` loop, or a `do...while` loop.

The `continue` statement skips to the end of the loop and continues the next iteration.

Using the TypeScript continue statement inside a for loop

The following example illustrates how to use the `continue` statement inside a `for` loop:

```
for (let index = 0; index < 9; index++) {  
  
    // if index is odd, skip it  
    if (index % 2)  
        continue;  
  
    // the following code will be skipped for odd numbers  
    console.log(index);  
}
```

Output:

```
0  
2  
4
```

6
8

In this example:

- First, loop over the numbers from 0 to 9.
- Then, if the current number is an odd number, skip outputting the number to the console by using the `continue` statement. In case the current number is an even number, output it to the console.

Using the TypeScript continue statement inside a while loop

The following example shows how to use the `continue` statement in a `while` loop. It returns the same result as the above example.

```
let index = -1;

while (index < 9) {

    index = index + 1;

    if (index % 2)
        continue;

    console.log(index);
}
```

Output:

0
2
4
6
8

Using the TypeScript continue statement inside a do while loop

The following example demonstrates how to use the `continue` statement in a `do...while` loop. It returns the number of even numbers from `9` to `99` :

```
let index = 9;
let count = 0;

do {
  index += 1;

  if (index % 2)
    continue;
  count += 1;
} while (index < 99);

console.log(count); // 45
```

Summary

- Use the TypeScript `continue` statement to skip to the end of the loop and continue the next iteration.