

# For loop in javascript

The for loop is an iterative statement which you use to check for certain conditions and then repeatedly execute a block of code as long as those conditions are met.

## Syntax

```
for (initialExpression; condition; updateExpression) {  
    // for loop body: statement  
}
```

- **initialExpression:** This is used to set the starting value of a counter variable, and it is only evaluated once, before the loop starts. Depending on the scope, these counter variables are usually declared with the `var` or `let` keywords.
- **condition:** This is a constant-evaluation expression that determines whether the loop should be executed. In simple terms, if this condition returns `true`, the for loop's block of code is executed. If it returns `false`, the for loop is terminated.
- **updateExpression:** This is commonly used to update or increment the `initialExpression` counter variable. In other words, when the condition is `true`, it updates the value of the `initialExpression`.

```
for (let i = 2; i <= 5; i++) {  
    console.log(i);    // printing the value of i until i = 5  
}
```