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JavaScript - For Loop

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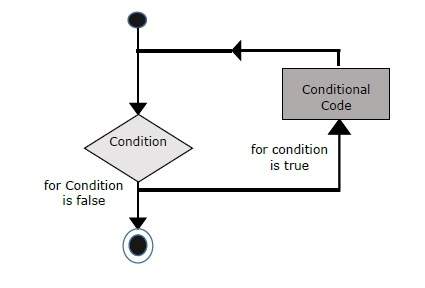
The '**for**' loop is the most compact form of looping. It includes the following three important parts −

* The **loop initialization** where we initialize our counter to a starting value. The initialization statement is executed before the loop begins.
* The **test statement** which will test if a given condition is true or not. If the condition is true, then the code given inside the loop will be executed, otherwise the control will come out of the loop.
* The **iteration statement** where you can increase or decrease your counter.

You can put all the three parts in a single line separated by semicolons.

Flow Chart

The flow chart of a for loop in JavaScript would be as follows −



Syntax

The syntax of for loop is JavaScript is as follows −

for (initialization; test condition; iteration statement){

Statement(s) to be executed if test condition is true

}

Example

Try the following example to learn how a for loop works in JavaScript.

<html>

<body>

<script type="text/javascript">

<!--

var count;

document.write("Starting Loop" + "<br />");

for(count = 0; count < 10; count++){

document.write("Current Count : " + count );

document.write("<br />");

}

document.write("Loop stopped!");

//-->

</script>

<p>Set the variable to different value and then try...</p>

</body>

</html>

Output

Starting Loop

Current Count : 0

Current Count : 1

Current Count : 2

Current Count : 3

Current Count : 4

Current Count : 5

Current Count : 6

Current Count : 7

Current Count : 8

Current Count : 9

Loop stopped!

Set the variable to different value and then try...

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