

while Syntax

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

```
while (condition)  
{  
    code block to be executed;  
}
```

```
<script>
```

```
var num = 0;
```

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

```
while (num <= 10)
```

```
{
```

```
    document.write("Current Number: " + num + "<br >");
```

```
    num = num + 1;
```

```
}
```

```
document.write("Loop stopped!");
```

```
</script>
```

num	num <=10 condition is tested, if TRUE, code block executed	Increment num
num = 0	0 <= 10 TRUE	num = num+ 1 0 + 1
num = 1	1 <= 10 TRUE	num = num+ 1 1 + 1
num = 2	2 <= 10 TRUE	num = num+ 1 2 + 1
num = 3	3 <= 10 TRUE	num = num+ 1 3 + 1
num = 4	4 <= 10 TRUE	num = num+ 1 4 + 1
num = 5	5 <= 10 TRUE	num = num+ 1 5 + 1
num = 6	6 <= 10 TRUE	num = num+ 1 6 + 1
num = 7	7 <= 10 TRUE	num = num+ 1 7 + 1
num = 8	8 <= 10 TRUE	num = num+ 1 8 + 1
num = 9	9 <= 10 TRUE	num = num+ 1 9 + 1
num = 10	10 <= 10 TRUE	num = num+ 1 10 + 1
num = 11	11 <= 10 FALSE	Loops STOPS