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JavaScript While Loop

Loops execute a block of code a specified number of times, or while a specified condition is true.

While Loop

The [while](#) loop loops through a block of code while a specified condition is true. There are two special statements that can be used inside loops: [break](#) and [continue](#). The [break](#) statement will break the loop and continue executing the code that follows after the loop (if any).

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

```
<html>  
<body>  
  <script type="text/javascript">  
    var count = 0;  
    while ( !window.confirm( "Exit?" ) )  
      if ( ++count == 3 ) {  
        document.write( "No more Cancel!" );  
        break;  
      }  
  </script>  
</body>  
</html>
```

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

Do ... While Loop

The [do ... while](#) loop is a variant of the while loop. This loop will execute the block of code once, and then it will repeat the loop as long as the specified condition is true. The [continue](#) statement will break the current loop and continue with the next value.

```
<html>  
<body>  
  <script type="text/javascript">  
    var count = 0;  
    do {  
      if ( ++count == 3 ) {  
        document.write( "No more Cancel!" );  
        continue;  
      }  
    }  
    while ( !window.confirm( "Exit?" ) );  
  </script>  
</body>  
</html>
```

[Display the HTML](#)[Reset](#)

Demonstration

The following demonstration shows how the script of HTML and JavaScript is displayed on the Web.

[Display the HTML](#)[Reset](#)

```
<html>
<body>
  <script type="text/javascript">
    document.write( "<p><b>Using the break:</b></p>" );
    var i = 0;
    for ( i=0; i<=10; i++ ) {
      if ( i==3 ) { break }
      document.write( "The number is " + i );
      document.write( "<br />" );
    }

    document.write( "<p><b>Using the continue:</b><p>" );
    var i = 0;
    for ( i=0; i<=10; i++ ) {
      if ( i==3 ) { continue }
      document.write( "The number is " + i );
      document.write( "<br />" )
    }
  </script>
</body>
</html>
```

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