



JavaScript

Sample Code adapted from [w3schools.com](https://www.w3schools.com)



JavaScript Can Change HTML Content

```
<!DOCTYPE html>
<html>
  <body>
    <h2>What Can JavaScript Do?</h2>
    <p id="demo">JavaScript can change HTML content.</p>
    <button type="button"
      onclick="document.getElementById('demo').innerHTML =
        'Hello JavaScript!' ">Click Me!
    </button>
  </body>
</html>
```

JavaScript Can Change HTML Attribute Values

```
<!DOCTYPE html>  
<html>  
<body>
```

<p>In this case JavaScript changes the value of the src (source) attribute of an image.</p>

```
<button onclick="document.getElementById('myImage').src='pic_bulbon.gif'">Turn on the  
light</button>
```

```

```

```
<button onclick="document.getElementById('myImage').src='pic_bulboff.gif'">Turn off the  
light</button>
```

```
</body>  
</html>
```



JavaScript Can Change HTML Styles (CSS)

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p id="demo">JavaScript can change the style of an HTML element.</p>
```

```
<button type="button"
```

```
onclick="document.getElementById('demo').style.fontSize='35px'">Click  
Me!</button>
```

```
</body>
```

```
</html>
```



JavaScript Can Hide HTML Elements

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p id="demo">JavaScript can hide HTML elements.</p>
```

```
<button type="button"  
onclick="document.getElementById('demo').style.display='none'">Click  
Me!</button>
```

```
</body>
```

```
</html>
```



JavaScript Can Show HTML Elements

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>JavaScript can show hidden HTML elements.</p>
```

```
<p id="demo" style="display:none">Hello JavaScript!</p>
```

```
<button type="button"  
onclick="document.getElementById('demo').style.display='block'">Click  
Me!</button>
```

```
</body>
```

```
</html>
```

The <script> Tag

- So far all the JavaScript code have been called from within a <button> element. However when JavaScript code is being called from the HTML body the code must be inserted between <script> and </script>

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p id="demo"></p>
```

```
<script>
```

```
document.getElementById("demo").innerHTML = "My First JavaScript";
```

```
</script>
```

```
</body>
```

```
</html>
```

JavaScript function in <head>

```
<!DOCTYPE html>
<html><head>
<script>
function myFunction() {
  document.getElementById("demo").innerHTML = "Paragraph changed.";
}
</script>
</head>
<body>
<h1>A Web Page</h1>
<p id="demo">A Paragraph</p>
<button type="button" onclick="myFunction()">Try it</button>
</body>
</html>
```