JAVASCRIPT TOPIC 5

InfoTech 37
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Intro

❑   JavaScript comments can be used to explain the code, and make the code more readable.

❑   JavaScript comments can also be used to prevent execution, when testing alternative code.

Single Line Comments

Single line comments start with //.

❑   Any text between // and the end of a line, will be ignored by JavaScript (will not be executed).

JavaScript Comments

The following example uses a single line comment in front of each line, to explain the code:
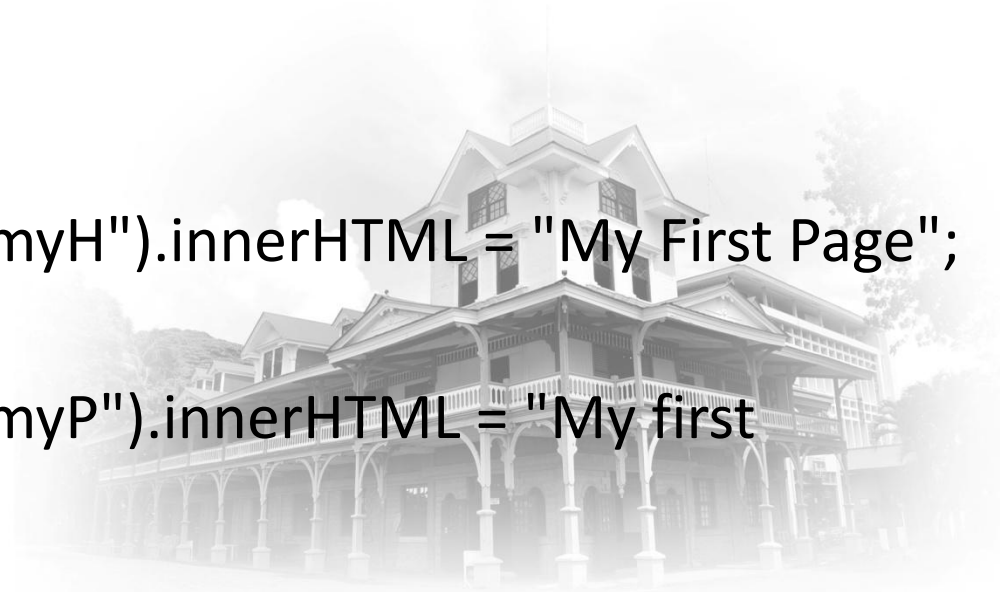
Example

```
// Change heading:
document.getElementById("myH").innerHTML = "My First Page";
// Change paragraph:
document.getElementById("myP").innerHTML = "My first paragraph.";
```

Demo 1

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

	<h1 id="myH"></h1>
	<p id="myP"></p>

	<script>
	// Change heading:
	document.getElementById("myH").innerHTML = "My First Page";
	// Change paragraph:
	document.getElementById("myP").innerHTML = "My first paragraph.";
	</script>

	<p><strong>Note:</strong> The comments are not executed.</p>
	</body>
</html>
```

Demo 2

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

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

    <script>
    var x = 5;      // Declare x, give it the value of 5
    var y = x + 2;  // Declare y, give it the value of x + 2

    document.getElementById("demo").innerHTML = y; // Write y to demo
    </script>

    <p><strong>Note:</strong> The comments are not executed.</p>

    </body>
</html>
```

This example uses a single line comment at the end of each line, to explain the code:

Example

```javascript
var x = 5;      // Declare x, give it the value of 5
var y = x + 2;  // Declare y, give it the value of x + 2
```

Multi-line Comments

❑   Multi-line comments start with /* and end with */.
❑   Any text between /* and */ will be ignored by JavaScript.

The following example uses a multi-line comment (a comment block) to explain the code:

Example

```
/*
The code below will change
the heading with id = "myH"
and the paragraph with id = "myp"
in my web page:
*/
document.getElementById("myH").innerHTML = "My First Page";
document.getElementById("myP").innerHTML = "My first paragraph.";
```

Demo 3

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

        <h1 id="myH"></h1>
        <p id="myP"></p>

        <script>
        /*
        The code below will change
        the heading with id = "myH"
        and the paragraph with id = "myp"
        in my web page:
        */
        document.getElementById("myH").innerHTML = "My First Page";
        document.getElementById("myP").innerHTML = "My first paragraph.";
        </script>

        <p><strong>Note:</strong> The comment block is not executed.</p>

        </body>
</html>
```

Comments

- ❑ It is most common to use single line comments.
- ❑ Block comments are often used for formal documentation.
- ❑ Using Comments to Prevent Execution
- ❑ Using comments to prevent execution of code, can be very suitable for testing.

Adding // in front of a code line changes the code lines from an executable line to a comment.

The next example uses // to prevent execution of one of the code lines.

Example

```
//document.getElementById("myH").innerHTML = "My First Page";
document.getElementById("myP").innerHTML = "My first paragraph.";
```

Demo 4

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

    <h1 id="myH"></h1>

    <p id="myP"></p>

    <script>
    //document.getElementById("myH").innerHTML = "My First Page";
    document.getElementById("myP").innerHTML = "My first paragraph.";
    </script>

    <p><strong>Note:</strong> The comment is not executed.</p>

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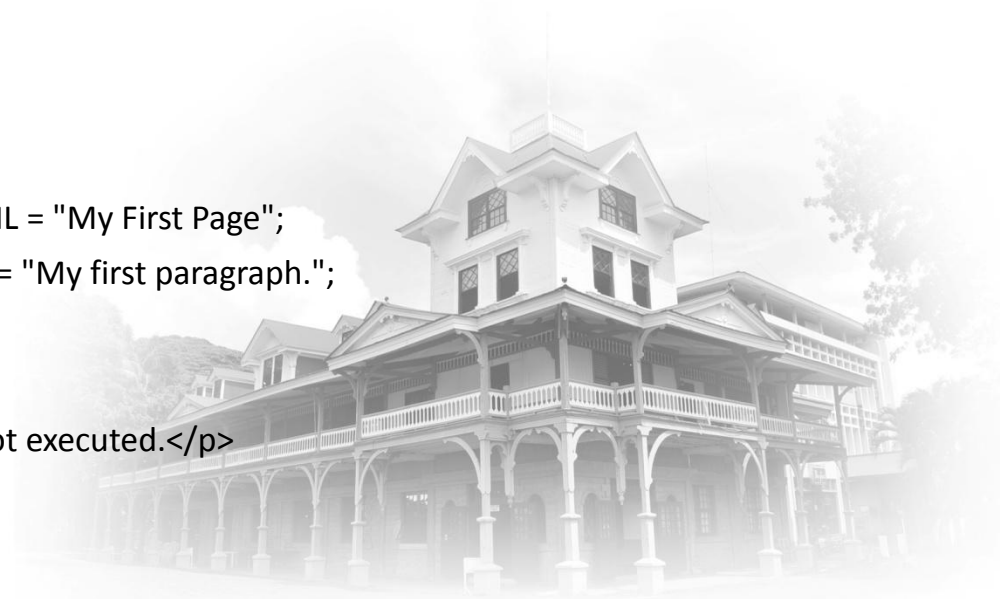
Comments

The following example uses a comment block to prevent execution of multiple lines:

Example

```
/*
document.getElementById("myH").innerHTML = "My First Page";
document.getElementById("myP").innerHTML = "My first paragraph.";
*/
```

Demo 5

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

        <h1 id="myH"></h1>

        <p id="myP"></p>

        <script>
        /*
        document.getElementById("myH").innerHTML = "Welcome to my Homepage";
        document.getElementById("myP").innerHTML = "This is my first paragraph.";
        */
        </script>

        <p><strong>Note:</strong> The comment-block is not executed.</p>

        </body>
</html>
```