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## Controlling Devices Over the Internet > Introduction to Javascript

### Manipulating HTML content using JS

Let us now create our JS variable and use it update the HTML content as shown in the code below. We will require the use of some built-in functions of JS to access and update the HTML content. Let us look at those functions in more detail before we start coding.

1. We will require the use of `document.getElementById()` function, to access the HTML element in our HTML code which we wish to manipulate. We can access the HTML content of the access element using the `innerHTML` attribute.
2. Now let us write the code for the JS file and the HTML file to see this in action. We shall use the `document.getElementById` function to find & access the `<p>` tag in the HTML document with the id given as "demo". Next, we shall create a variable and name it `myVariable` and store the data that we want to update in the HTML content. In this example, we shall give the value as "Bolt IoT". The last step will be to update the HTML content of the `<p>` tag that we have accessed using the `innerHTML` property.
3. Here is how the code for the JS file. Save the file with the file extension `.js` e.g. `my-javascript.js`.
4. 

```
var myVariable = "Bolt IoT";  
document.getElementById("demo").innerHTML = myVariable;
```
5. Here is the code for HTML file. We have included our JS file using the `<script></script>` tag. We also have a `<p>` element with the id as `demo` to display the variable value using our JS code. Save the file with the `.html` file extension.

```
6. <!DOCTYPE html>  
<html>  
  <title>Javascript Variables</title>  
  <body>  
    <h2>JavaScript Variables</h2>  
    <p>Create a variable, assign a value to it, and display  
it:</p>  
    <p id="demo"></p>  
    <script src="my-javascript.js"></script>  
  </body>  
</html>
```



7. Open the HTML file in your web browser to view the output. The browser output should be as shown below

