

Javascript Specialist Designation Program

Lab Exercise #9

A long string of functions that can string together for a Javascript string.

Lab Instructions

1) Run your Brackets development environment, create a new file and quickly save it under the file name **ninth_javascript_lab.html**

2) Key in the basic HTML document structure and set **Lab #9** as the content for the title tag.

3) In the body of the HTML document add a heading 1 tag with the content, "Capitalize the first letter of the first word in a string".

4) We won't need any other HTML for this so let's head straight to Javascript

Create a separate Javascript file and quickly save it as **main.js**.

5) Link the HTML file to the Javascript file.

```
<script src="main.js"></script>
```

6) Open your **main.js** file and create the window.onload function.

Inside the onload function, we're going to declare and initialize 1 variable, our string.

Let's go ahead and call the variable "sentence", then initialize it by typing out any sentence in string format. The string must be all lowercase, no capitalized words.

```
window.onload = function() {  
    var sentence = "sally loves fruit."  
}
```

7) Still inside the onload function, we will now create the function that will automatically capitalize the first letter of the first word in a string.

Let's call this function "capWord" and take in a parameter called "str", short for string.

Inside the "capWord" function we're going to search for the first letter in the string using charAt().

```
str.charAt(0)
```

Then we are going to use the toUpperCase() function to capitalize it.

```
str.charAt(0).toUpperCase()
```

Lastly, we are going to slice out the whole string, minus the first character, and attach it to the new string.

```
str.charAt(0).toUpperCase() +  
str.slice(1);
```

Now let's return the result.

```
function capWord(str) {  
    return str.charAt(0).toUpperCase() +  
    str.slice(1);  
}
```

8) To finish it off, we are going to type out an alert and call the function inside the alert, passing in the variable "sentence" as the parameter.

```
alert(capWord(sentence));
```

9) Click File Save to save the current version of your document. Navigate to the HTML document using your operating system and double click it. The document should open in your default browser.

Check out the alert! Go back into the Javascript file and mess with your string. Refresh, then try again.

Challenge Yourself

Enhance your skills by attempting the exercises below.

1) Look up the "sort()" function and try to rearrange a string in alphabetical order, then log it to the console as an array using "split()".

2) Put your site on the web. We've arranged a special deal with Blue Host. Visit <http://www.bluehost.com/track/learntoprogram/> and click "Get Stated Now." You will be able to access web hosting plans as low as \$3.49 a month. Once Blue Host takes you through the process of creating your domain and web server upload your lab and post the URL for the others in the class to see.