# Department of Computing

**CS-344: Web Engineering**

**Class:** BSCS-5 AB

# Lab 06: Introduction to JavaScript

**Date: March 30, 2017**

**Time: 1000-1300 & 1400-1700**

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# Lab Engineer: Qasim Ali Khan

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# Lab 06: Introduction to Javascript

### Introduction:

Students have learned basic Javascript concepts in the class. In this lab, student will practically implement those concepts.

### Lab Objectives:

The objective of this lab is to help students in understanding how Javascript can be implemented and what are its uses. Students will use different Javascript statements to perform the tasks mentioned later in the manual.

### Tools:

Dreamweaver, notepad, notepad++, sublime text, browser.

### Helping Material:

W3Schools: https://www.w3schools.com/js/

<https://www.w3schools.com/js/js_validation.asp>

**Example:**

function validateForm() {  
    var x = document.forms["myForm"]["fname"].value;  
    if (x == "") {  
        alert("Name must be filled out");  
        return false;  
    }  
}

**If:**

<html>

<body>

<script type="text/javascript">

<!--

var age = 20;

if( age > 18 ){

document.write("<b>Qualifies for driving</b>");

}

//-->

</script>

<p>Set the variable to different value and then try...</p>

</body>

</html>

**ForLoop:**

<html>

<body>

<script type="text/javascript">

<!--

var count;

document.write("Starting Loop" + "<br />");

for(count = 0; count < 10; count++){

document.write("Current Count : " + count );

document.write("<br />");

}

document.write("Loop stopped!");

//-->

</script>

<p>Set the variable to different value and then try...</p>

</body>

</html>

### Lab Task

### Task 1

Currency converter from PKR into GB, USD, and Euro. Use a combo box to select currency and output element to show output.

**Task 2:**

Determine the password strength as bad, poor, good and strong.

* Use of capital and small letters
* Use of special characters
* Use of numbers
* Length greater than 7 characters

**Hint:**

**Background Color and Label of textbox should change according to strength.**

**Important:** Upload you html, CSS & JS files along with the solution.

|  |
| --- |
| Solution |
| Screenshot of web page  HTML Code |

### Deliverables

Compile a single word document by filling in the solution part , Description and submit this Word file on LMS. You must include your name, ID, and class on first page. The lab grading policy is as follows: The lab is graded between 0 to 10 marks. For some of the labs, students have to present their solutions in a viva session. In case of any problems with submissions on LMS, you should contact your lab engineer Mr. Qasim Ali Khan by email at [qasim.khan@seecs.edu.pk](mailto:qasim.khan@seecs.edu.pk).