# CIST 1520

# Scripting Technologies - JavaScript

**LAB #12 – *40 Points***

**Instructions**: Create a temperature conversion calculator that will convert from C to F or F to C based on which box the user puts in the starting temperature.

Steps:

* Download and unzip the Lab 12 file.
* In a text editor, open index.html:
  + Enter your name and today’s date where indicated in the comment section in the document head.
  + Add a script element to load the latest minified build of the jQuery library from the CDN on the jQuery website.
  + Add another script element to access the script.js file
* In the script.js file:
  + Below the comment section
    - Apply the change() method to the input#cValue element, responding to changes in the Celsius input box.
      * In the change() create the following:
        + Declare the celsius variable, setting its value equal to the value of the event target. Use the val() method to get the event target’s value.
        + Declare the fahrenheit variable with a value equal to 1.8 times the celsius variable’s value plus 32.
        + Apply the val() method to the input#fValue element, displaying the value of the fahrenheit variable.
        + Apply the toFixed(0) method to that variable, displaying the calculate value as an integer.
    - Apply change() method to the input#fValue element, responding to changes to the fahrenheit input box.
      * In the change() create the following:
        + Declare the fahrenheit variable, setting its value equal to the value of the event target. Once again, use the val() method to get the event target value.
        + Declare the celsius variable with a value equal to the value of the fahrenheit variable minus 32 and then divided by 1.8.
        + Apply the val() method to the input#cValue element, displaying the value of the celsius variable.
        + Once again, use the toFixed(0) method to display the temperature value as an integer.
* Execute code by choosing a temperature for either F or C and hit Tab to see conversion is working correctly. Capture the result.
* Submit screen capture, index.html and script.js file via blackboard.

Sample Result:

