Lab Summary

You will design and code a simple Body Mass Indicator (BMI) calculator using HTML5 and JavaScript. In this assessment we will not be concerned about valid inputs or the metric system. We will use the imperial system for calculating BMI, using inches for height and pounds for weight.

Lab Challenge

BMI, as an Imperial measurement, is calculated as follows: **weight/(height ** 2) * 703**

In this assessment, you are asked to:

- assemble a typical web project, with an index page and a scripts folder, which will contain a .js file. Name your project file, ***YourName*Lab1** (i.e., jsmithLab1)
- using HTML, design a web form to gather the necessary inputs to calculate BMI
- using JS, code a click event handler for a button that calculates the BMI result, given the user inputs, and output the BMI outcome to an alert (pop-up). Format the output of the BMI to 2 decimal places.

Test values to ensure your logic is correct:

Scenario A: User enters a weight of 180 and a height of 72. The BMI should come to 24.41

Scenario B: User enters a weight of 130 and a height of 62.5. The BMI should come to 23.40

Lab Submission and Due Date

Please compress your project folder and upload the zipped file to BlackBoard using the Lab 1 link. This lab is due by **Friday, January 20th @ 11:59PM**. Late labs will be accepted for grading at a 10% penalty per day anytime after the due date and before Sunday, January 22nd at 11:59PM.

Marking Rubric (25 Marks)

- The HTML validates without any errors and it serves to gather the required inputs (5 Marks)
- The program executes without any runtime or logic errors (10 Marks)
- JavaScript and HTML coding follows best practices (5 Marks)
- The application follows lab specifications (5 Marks)