

CSE 335- Fall 2020  
Lab I, 20 Points  
Due: Sep 5<sup>th</sup> 11:59 pm

---

Part I

Design and Implement an iPhone app that

- a) Read the weight of a person in pounds and height of a person in inches
- b) Calculate the BMI using following equation

$$\text{BMI} = (\text{weight in pounds} / (\text{height in inches})^2) * 703$$

- c) Then, display the following messages to the user based on the BMI value

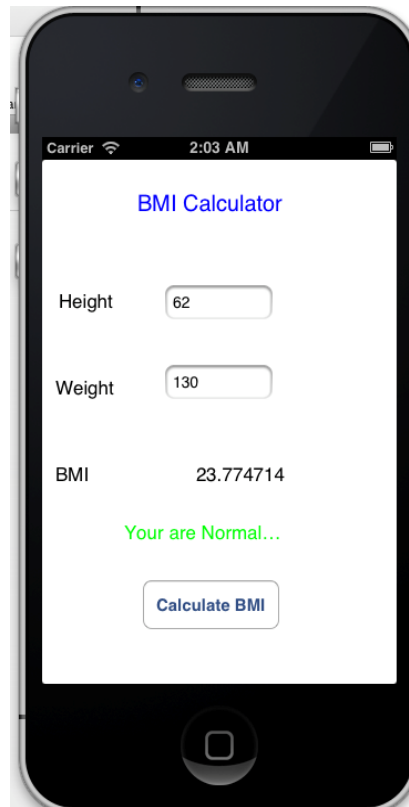
You are underweight if BMI < 18 - Blue Color

You are normal if BMI is greater than or equal to 18 and less than 25 - Green Color

You are pre-obese if BMI is between 25 and 30 - purple Color

You are obese if BMI is greater than 30 - red color

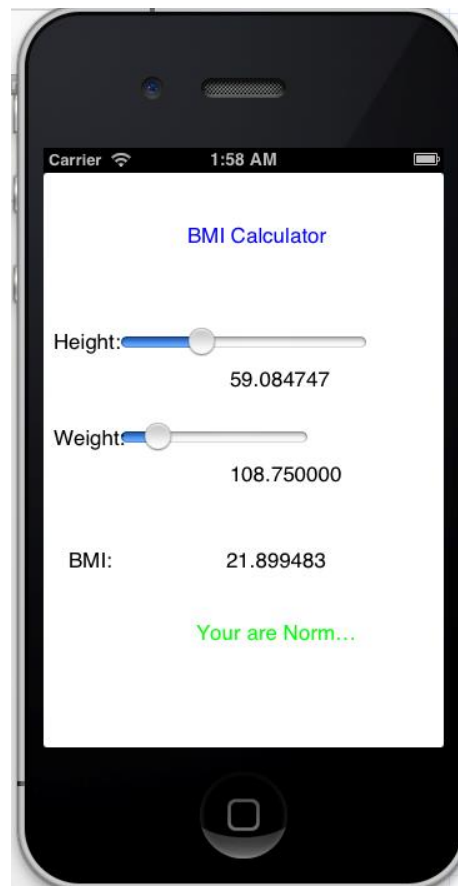
Output of the App should look like follows



## Part II

For this part also we calculate BMI slightly differently as follows. Rather than user typing the height and weight in text fields, we use a slider to represent the height and weight. As slider values changes, it calculates BMI and display the appropriate message.

Output of the App should look like follows



## Submission Instructions

Submit online to the blackboard using the link given under Lab I