

CISC 3321

Programming Assignment 1 (20 Pts)

Due at 10:00 PM Central (MyCampus)

This assignment tests your ability to perform simple calculations using Visual C# programming: You are to design a **Body Mass Index (BMI) calculator**.

Create a Console Application with the following specifications (all specs must be met for full credit):

- Have your application read the user's weight in pounds and height in inches (or kilograms and meters, respectively, if you so prefer)
- Calculate and display the user's BMI
- Have your application display the BMI information provided below after the BMI number

BMI INFORMATION:

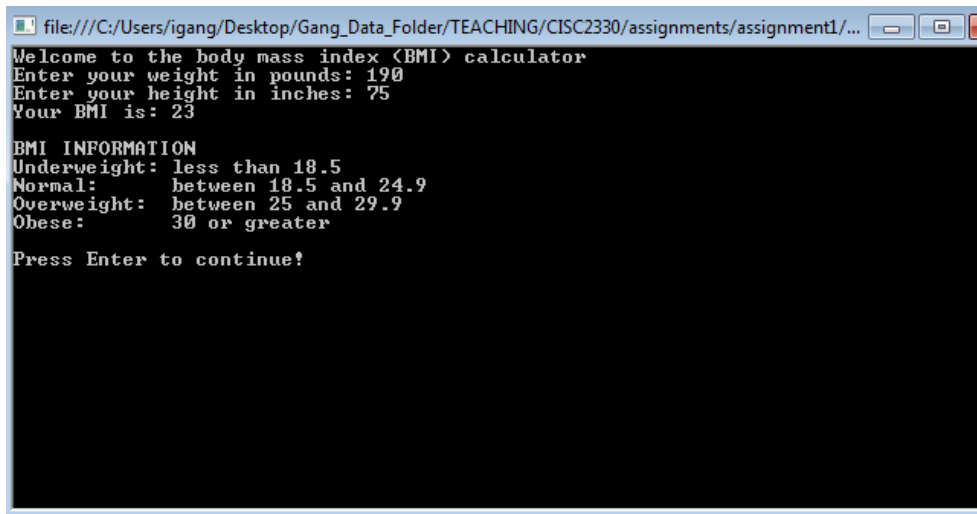
Underweight: < 18.5
Normal: between 18.5 and 24.9 inclusive
Overweight: between 25 and 29.9 inclusive
Obese: >= 30

The BMI is calculated as followed:

$$\text{BMI} = (\text{WeightInPounds} \times 703) / (\text{HeightInInches} \times \text{HeightInInches})$$

Note: If you want to use the metric system, just replace pounds with kilograms and inches with meters

A simple look-and-feel for the application is provided below.



```
file:///C:/Users/igang/Desktop/Gang_Data_Folder/TEACHING/CISC2330/assignments/assignment1/...
Welcome to the body mass index (BMI) calculator
Enter your weight in pounds: 190
Enter your height in inches: 75
Your BMI is: 23

BMI INFORMATION
Underweight: less than 18.5
Normal:      between 18.5 and 24.9
Overweight: between 25 and 29.9
Obese:      30 or greater

Press Enter to continue!
```