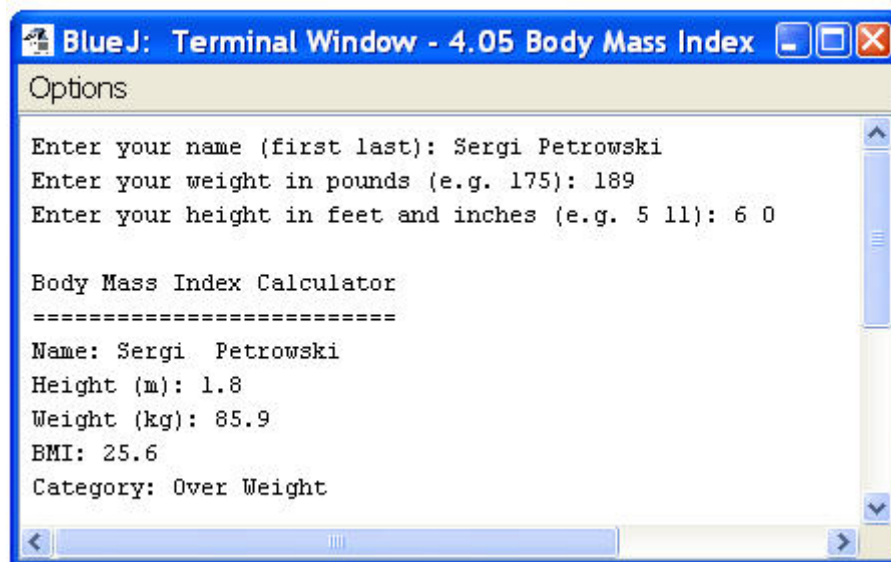# 4.05 Assignment Instructions

Instructions: Write a program to calculate Body Mass Index (BMI) given a person's height and weight. (Use previous assignments and demo programs as models.)

1. Create a new project called 4.05 Body Mass Index in your Mod04 Assignments folder.
2. Create a class called BMI in the newly created project folder.
3. Before beginning the assignment learn about the Body Mass Index Mass Index.
4. Ask the user to enter their first name and last name, height (in feet and inches), and weight (in pounds). You should have conversion factors for English to metric units available from an earlier program.
5. Height will be entered in feet and inches as indicated in the screen shot of expected output shown below (e.g. 5 10 represents 5 feet 10 inches). You may need to review how to accept multiple inputs on the same input line that was covered in Module 3.
6. Use the standard formula in metric units to calculate the BMI.
7. Display the output in a user-friendly fashion.

Expected Output: When the program runs correctly, you should see results similar to the following (output will obviously vary with each individual).

```
BlueJ: Terminal Window - 4.05 Body Mass Index
Options

Enter your name (first last): Sergi Petrowski
Enter your weight in pounds (e.g. 175): 189
Enter your height in feet and inches (e.g. 5 11): 6 0

Body Mass Index Calculator
==========================
Name: Sergi  Petrowski
Height (m): 1.8
Weight (kg): 85.9
BMI: 25.6
Category: Over Weight
```