In-Class Assignment - September 19, 2013

In this assignment, you are going to design a program using functions that calculates your Body Mass Index (BMI.) A person’s BMI is calculated using the formula:

\[ BMI = \frac{weight \times 703}{height^2} \]

You’ll write the program in stages.

1. Write a function that takes two arguments (weight and height), calculates your BMI, and prints the answer to the screen. Write a program that gives this function some dummy values to make sure it works correctly.

2. Write a function that gets the user’s weight and returns it. Write a similar function that gets their height.

3. Write a function that simply takes one argument (BMI) and prints it to the screen.

4. Use your 4 functions from above (with appropriate modifications) to write a program that gets the user’s weight and height and tells them their BMI.