Comparing Double Values

Formula for body mass index (BMI):

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

ВМІ	Weight class
below 18.5	underweight
18.5 - 24.9	normal
25.0 - 29.9	overweight
30.0 and up	obese

Write a program exactly producing this output:

This program reads data for two people and computes their body mass index (BMI).

Enter next person's information:

height (in inches)? 70.0 weight (in pounds)? 194.25

Enter next person's information:

height (in inches)? 70.001 weight (in pounds)? 194.25

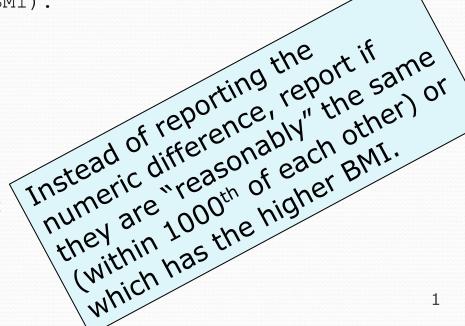
Person 1 BMI = 27.868928571428572

overweight

Person 2 BMI = 27.86813233338881

overweight

The BMI values are the same.



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Examples to run (output must EXACTLY match expected output for each) ...expected output found on class website.