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/*Bryce Allen
*11/25/14
*Programming I
*This program will calculate BMI with a functional method
*/
/**
 *
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 */
import javax.swing.JOptionPane;
import java.text.DecimalFormat;

public class BodyMassIndexCalc {

    public static void main(String[] args) {
        // TODO code application logic here
        String response;
        response = JOptionPane.showInputDialog(null, "Enter your height in inches");
        double height = Double.parseDouble(response);
        response = JOptionPane.showInputDialog(null, "Enter your weight in pounds");
        double weight = Double.parseDouble(response);
        double bmi = calculateBMI(height, weight);
        DecimalFormat pattern = new DecimalFormat("###.00");
        JOptionPane.showMessageDialog(null, "Height: " + height +
            "\nWeight: " + weight +
            "\nBMI: " + pattern.format(bmi) +
            "\n\nBMI Categories: " +
            "\n Underweight = <13.5" +
            "\n Normal weight = 18.5 - 24.9" +
            "\n Overweight = 25 - 29.9" +
            "\n Obesity = 30 or greater");
    }

    public static double calculateBMI(double height, double weight){
        return (weight * 703)/(height*height);
    }
}
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nds");
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