

Solution for Java assignment 5e: BMICalc

```
import java.util.*;

public class BMICalc
{
    public static void main(String[] args)
    {
        Scanner keyboard = new Scanner(System.in);
        System.out.print("Please enter your weight (in kg): ");
        double weight = keyboard.nextDouble();
        System.out.print("Please enter your height (in m): ");
        double height = keyboard.nextDouble();

        double bmi = weight / (height*height);

        if (bmi <15)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Very severely underweight");
        }
        if (bmi >=15.0 && bmi <=16.0)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Severely underweight");
        }
        if (bmi >=16.0 && bmi <=18.5)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Underweight");
        }
        if (bmi >=18.5 && bmi <=25)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Normal (healthy weight)");
        }
        if (bmi >=25 && bmi <=30)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Overweight");
        }
        if (bmi >=30 && bmi <=35)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Obese Class I (Moderately obese)");
        }
        if (bmi >=35 && bmi <=40)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Obese Class II (Severely obese)");
        }
        if (bmi >=40)
        {
            System.out.println("Your BMI number is: "+bmi);
            System.out.println("Category: Obese Class III (Very severely obese) ");
        }
    }
} //end of main
} //end of class
```