Java Assignment 5e – BMI Calculator

Create a new Java project with a class called **BMIcalc**

Background:

The body mass index (BMI) is a measure for human body shape based on an individual's weight and height. People are then classified using the index number along these guidelines:

Category	BMI range
Very severely underweight	less than 15
Severely underweight	from 15.0 to 16.0
Underweight	from 16.0 to 18.5
Normal (healthy weight)	from 18.5 to 25
Overweight	from 25 to 30
Obese Class I (Moderately obese)	from 30 to 35
Obese Class II (Severely obese)	from 35 to 40
Obese Class III (Very severely obese)	over 40

Object:

You must create a program that asks the user for their height in m (meters, e.g. 1.7).
It must then ask for the user's weight in kg (kilograms, e.g. 65).

The program must then calculate the index number using the following formula:
$$BMI\ number = mass \div (height\ x\ height)$$

Finally the program must display BOTH the person's BMI number and their category.

Take care that your output matches the examples below.
Don't worry about any extra zeros in your answer.

Upload the completed java code to Edmodo when done (in either .txt /.docx/.odt format)

Example output 1:

```
Please enter your weight (in kg) > 65
Please enter your height (in m) > 1.7
Your BMI is 22.49134948096886
Your BMI category is: Normal (healthy weight)
```