import java.util.Scanner;

public class BMICalculator {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.println("Welcome to the BMI Calculator!");

System.out.print("Enter your weight (in kilograms): ");

double weight = input.nextDouble();

System.out.print("Enter your height (in meters): ");

double height = input.nextDouble();

double bmi = calculateBMI(weight, height);

System.out.println("Your BMI is: " + bmi);

interpretBMI(bmi);

input.close();

}

// Function to calculate BMI

public static double calculateBMI(double weight, double height) {

return weight / (height \* height);

}

// Function to interpret BMI

public static void interpretBMI(double bmi) {

if (bmi < 18.5) {

System.out.println("You are underweight.");

} else if (bmi >= 18.5 && bmi < 24.9) {

System.out.println("You are in a healthy weight range.");

} else if (bmi >= 25 && bmi < 29.9) {

System.out.println("You are overweight.");

} else {

System.out.println("You are obese.");

}

}

}