**Assignment No- 2**

2) Implement a program that calculates the Body Mass Index (BMI) based on height and weight input using if-else to classify the BMI int categories (underweight, normal weight, overweight,etc).

import java.util.Scanner;

class Bmi{

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double weight = scanner.nextDouble();

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

double height = scanner.nextDouble();

double bmi = weight / (height \* height);

System.out.printf("Your BMI is: %.2f%n", bmi);

if (bmi < 20.0) {

System.out.println("Classification: Underweight");

} else if (bmi >= 20.0 && bmi < 25.0) {

System.out.println("Classification: Normal weight");

} else if (bmi >= 25 && bmi <30.0) {

System.out.println("Classification: Overweight");

} else {

System.out.println("Classification: Obesity");

}

scanner.close();

}

}

