

IS2104

Rapid Application Development- 2020

Tutorial 10

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Q1.

```
import java.util.Scanner;
class bodyMass{
    private double weight;
    private double height;
    public bodyMass(){
    }
    public bodyMassIndex(double weight, double height){
        this.weight=weight;
        this.height=height;
    }
    public void setWeight(double weight){
        this.weight=weight;
    }
    public double getWeight(){
        return weight;
    }
    public void setHeight(double height){
        this.height=height;
    }
    public double getheight(){
        return height;
    }

    public double getBmi(){
        double answer= weight/(height*height);
        return answer;
    }
}

public class BMI {

    public static void main(String[] args){
        Scanner scan=new Scanner(System.in);
        System.out.print("Enter your weight in kg : ");
        double weight=scan.nextDouble();
        System.out.print("Enter your height in m : ");
        double height=scan.nextDouble();
        bodyMassIndex bmi=new bodyMassIndex();
        bmi.setWeight(weight);
        bmi.setHeight(height);
        System.out.println("The BMI value is " +bmi.getBmi());
    }
}
```

Microsoft Windows [Version 10.0.17134.1246]  
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C:\Users\Hansika>cd Desktop

C:\Users\Hansika\Desktop>javac BMI.java

C:\Users\Hansika\Desktop>java BMI

Enter your weight in kg : 72

Enter your height in m : 1.5

The BMI value is 32.0

C:\Users\Hansika\Desktop>