

Practical 4

Aim : Body Mass Index (BMI) is a measure of health on weight. It can be calculated by taking your weight in kilograms and dividing by the square of your height in meters. Write a program that prompts the user to enter a weight in pounds and height in inches and displays the BMI. Note:- 1 pound=.45359237 Kg and 1 inch=.0254 meters.

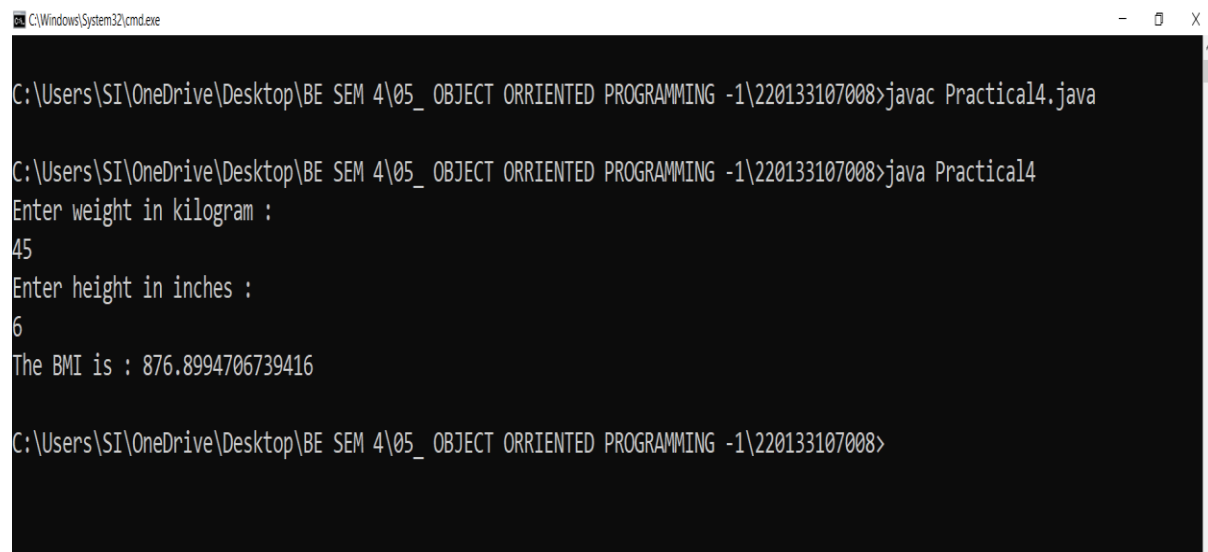
Code :

```
import java.util.*;

class Practical4
{
    public static void main(String args[])
    {
        Scanner a=new Scanner(System.in);
        System.out.println("Enter weight in kilogram : ");
        double w=a.nextDouble();
        System.out.println("Enter height in inches : ");
        double h=a.nextDouble();

        double weight_kg=w*0.45259237;
        double height_mt=h*0.0254;
        double BMI=weight_kg/(height_mt*height_mt);

        System.out.println("The BMI is : "+BMI);
    }
}
```

Output :

```
C:\Windows\System32\cmd.exe

C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>javac Practical4.java

C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>java Practical4
Enter weight in kilogram :
45
Enter height in inches :
6
The BMI is : 876.8994706739416

C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>
```