

MAIN:

```
import java.util.Scanner;

public class Pro1 {
    static Scanner scan = new Scanner(System.in);

    public static void main(String[] args) {
        System.out.print("Enter Name and age: ");
        String[] Value = scan.nextLine().split(" ");
        String name = Value[0];
        int age= Integer.parseInt(Value[1]);
        System.out.print("Weight (input format: 1=kg 2=pound value): ");
        int type = scan.nextInt();
        double weight = scan.nextDouble();
        if (type == 1) {
            weight /= 0.45359237;
        }
        System.out.print("Height (input format: 1=meter 2=feet-inch): ");
        type = scan.nextInt();
        double height;
        if (type == 1) {
            height = scan.nextDouble() / 0.0254;
        }
        else{
            height = scan.nextDouble()*12 + scan.nextDouble();
        }
        BMI bmi = new BMI(name, age, weight, 0, height);
        System.out.println("Your BMI: " + Math.round(bmi.getBMI()*100)/100.0);
        System.out.println("Interpretation: " + bmi.getStatus());
    }
}
```

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CLASS:

```
public class BMI {
    private String name;
    private int age;
    private double weight;
    private double feet;
    private double inches;
    public static final double KILOGRAMS_PER_POUND = 0.45359237;
    public static final double METERS_PER_INCH = 0.0254;

    public BMI(String name, int age, double weight, double feet, double inches) {
        this.name = name;
        this.age = age;
        this.weight = weight;
        this.feet = feet;
        this.inches = inches;
    }

    public BMI() {
    }

    public double getBMI() {
        double bmi = weight * KILOGRAMS_PER_POUND /
            ((inches * METERS_PER_INCH) * (inches * METERS_PER_INCH));
        return bmi;
    }

    public String getStatus() {
        double bmi = getBMI();
        if (bmi < 18.5)
            return "Underweight";
        else if (bmi < 25)
            return "Normal weight";
        else if (bmi < 30)
            return "Overweight";
        else
            return "Obese";
    }

    public String getName() {
        return this.name;
    }

    public void setName(String name) {
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        this.name = name;
    }

    public int getAge() {
        return this.age;
    }

    public void setAge(int age) {
        this.age = age;
    }

    public double getWeight() {
        return this.weight;
    }

    public void setWeight(double weight) {
        this.weight = weight;
    }

    public double getFeet() {
        return this.feet;
    }

    public void setFeet(double feet) {
        this.feet = feet;
    }

    public double getInches() {
        return this.inches;
    }

    public void setInches(double inches) {
        this.inches = inches;
    }
}
```