BMI

package Program01;

public class BMI {

    private String name;

    private int age;

    private double weight;

    private double height;

    private double feet;

    private double inches;

    private double bmi;

    private String itp;

    public BMI(){

    }

    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;

        this.height = (feet\*12 + inches)\*0.0254;//height to meter

    }

    public String getName() {

        return name;

    }

    public int getAge() {

        return age;

    }

    public double getWeight() {

        return weight;

    }

    public double getFeet() {

        return feet;

    }

    public double getInches() {

        return inches;

    }

    public double getBMI(){

        bmi = weight/Math.pow(height, 2);

        return bmi;

    }

    public String getInterpretation(){

        if(bmi < 18.5){

            itp = "Underweight";

        }

        else if (bmi>=18.5 && bmi<25){

            itp = "=Normal weight";

        }

        else if (bmi>=25 && bmi<30){

            itp = "Overweight";

        }

        else {

            itp = "Obese";

        }

        return itp;

    }

}

Main

package Program01;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        BMI bmi ;

        int w\_type,h\_type;

        System.out.print("Enter name and age : ");

        String name = input.next();

        int age = input.nextInt();

        System.out.print("Weight (input format: 1=kg 2=pound value) : ");

        w\_type = input.nextInt();

        double weight = input.nextDouble();

        switch(w\_type){

            case 1:

                break;

            case 2:

                weight=weight\*0.45359237;

                break;

            default:

                System.out.println("Error ,input format should be (1) or (2).");

                break;

        }

        System.out.print("Height (input format: 1=meter 2=feet-inch) : ");

        h\_type = input.nextInt();

        double feet = 0;

        double inches = 0;

        double height = 0;

        switch(h\_type){

            case 1 :

                height = input.nextDouble();

                inches = height/0.0254;

                break;

            case 2 :

                feet = input.nextDouble();

                inches = input.nextDouble();

        }

        bmi = new BMI(name,age,weight,feet,inches);

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

        System.out.println("Interpretation : " + bmi.getInterpretation());

        input.close();

    }

}