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package labs.lab6.pro1;

import classes.BMI;

import java.util.Scanner;

public class Lab6_Pro1_64010009 {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        String input, name;
        double weight, height = -1;
        int feet = -1, inches = -1;
        int age, format;
        double weight_kilo, height_metre;

        System.out.println("--- BMI Calculator ---");

        while (true) {

            System.out.print("Enter your name and age: ");
            input = scanner.nextLine();

            if (!input.isBlank() && input.split(" ").length == 2) {

                String[] input_arr = input.split(" ");
                name = input_arr[0];
                age = Integer.parseInt(input_arr[1]);

                if (age > 0) break;
                System.out.println("ERROR: age input cannot be less than 1, try again!");
            }
            System.out.println("ERROR: invalid input, try again!");
        }
        while (true) {

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

            if (format == 1 || format == 2) {

                weight = scanner.nextDouble();
                if (weight > 0) break;
                System.out.println("ERROR: weight input cannot be less than 1, try again!");
            } else System.out.println("ERROR: invalid format, try again!");
        }
        if (format == 1) weight_kilo = weight;
        else weight_kilo = BMI.convertPoundToKilo(weight);

        while (true) {

            System.out.print("Height (input format: 1=metre, 2=feet-inches): ");
            format = scanner.nextInt();

            if (format == 1 || format == 2) {

                if (format == 1) {

                    height = scanner.nextDouble();
                    if (height > 0) break;

                } else {

                    feet = scanner.nextInt();
                    inches = scanner.nextInt();
                    if (feet > 0 && inches ≥ 0 && inches ≤ 11) break;
                }
            }
        }
    }
}

```

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        System.out.println("ERROR: invalid height input, try again!");
    } else System.out.println("ERROR: invalid format, try again!");
}
scanner.close();

if (format == 1) height_metre = height;
else height_metre = BMI.convertFeetToMetre(feet, inches);

BMI bmi = new BMI(name, age, weight_kilo, height_metre);
bmi.displayBMI();
}
}
```
