Recitation 5 Practice

Follow the directions below.

1. Make a directory named **r5** in your **csci101** directory.
2. Change your working directory to your **csci101/r5** directory.
3. In your **csci101/r5** directory, create a program in a file named **Practice.java** that satisfies the Program Requirements shown below.
4. Repeat the following **for each problem below**.
    - Compile your program.
    - Debug your program until it compiles without error.
    - Run your program.
    - Test your program rigorously.
    - Debug and Edit your program if your program's output is not what you expect.

Problems

// Problem 1

- Print to the screen the string **Recitation Practice 5.**
- Print to the screen the string **----------**.

// Problem 2

- Declare a variable named **weight** and initialize it to the value **32.7**.
- Create a variable named **code** and set it the character **X**.
- Initialize a variable named **count** to **0**.
- Assign the string **Bobo** to a variable named **nickname**.
- Set a variable named **isOpen** to **false**.

// Problem 3

- Ask the user to enter an integer representing the number of items sold and a decimal number representing the price of the item.
- Read the values from the keyboard and store them in variables named **numSold** and **price,** respectively.
- Print to the screen **Total:** followed by the product of the values held in **numSold** and **price**.

// Problem 4

- Without using an array, retrieve 3 decimal values from the user and compute the average.
- Print to the screen **Mean:** followed by the mean average of the 3 values.

// Problem 5

- Ask the user to enter an integer between 1 and 1000 (inclusively).
- Read the value from the keyboard and store the value in a variable named **number**.
- Print to the screen **invalid input** if the value entered is not between 1 and 1000 (inclusively).
- Print to the screen **multiple of 13** if the value in **number** is a multiple of 13, otherwise print **not a multiple of 13.**

// Problem 6

- Using a for-loop print to the screen the values between **0** and **20** on a single line with spaces between them.

// Problem 7

- Do not use an array in the solution to this problem
- Repeatedly ask the user to enter in baby names until they enter **done**.
- For each name, if the name entered begins with **X**, **Y**, or **Z**, print to the screen **probably a rad name**.