Recitation 3 Practice

Follow the directions below.

1. Make a directory named **r3** in your **csci101** directory.
2. Change your working directory to your **csci101/r3** directory.
3. In your **csci101/r3** directory, create a program in a file named **Practice.java** that satisfies the Program Requirements shown below.
4. Repeat the following until your program is complete and works properly.
    - 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.

Program Requirements

1. Print to the screen the string **Recitation Practice 3**.
2. Print to the screen the string **----------**.

3. Ask the user to enter the age they'll be on November 2.
4. Read in the value from the keyboard into a variable named **age**.
5. If the value in the variable **age** is greater than or equal to 18, then print to the screen **You may vote in the upcoming election**.

6. Ask the user to enter their first and last initials.
7. Read in the value from the keyboard into variables named **firstInitial** and **lastInitial**.
8. If the value in the variable **firstInitial** is the same as the value in **lastInitial,** then print to the screen **Same initials**; otherwise print **Different initials**.

9. Ask the user to enter three different integer values.
10. Read the values from the keyboard into variables named **number1**, **number2**, and **number3**.
11. If any two of the numbers entered are the same, then print to the screen **Duplicates found** followed by the value of the variables that are the same.

12. Ask the user to enter a decimal value corresponding to the distance between BC to their home.
13. Read the value from the keyboard into a variable named **distance**.
14. Print a message to the screen according to the table below:

value in distance	**message**
strictly less than 0	invalid input
greater than 0 and less than or equal to 60	less than an hour away
greater than 60	more than an hour away

15. Ask the user to enter the names of two different cities.
16. Read in the values from the keyboard into variables named **city1** and **city2**.
17. If the names of the cities are the same, then print to the screen **You've entered the same name twice**; otherwise print **Thank you**.