Lab 12

Instructions: Complete the steps below. Be sure to show your code to one of the lab TAs before you leave, so that you can receive credit for this lab. You must also upload a copy of all your source code (.java) files to the link on Blackboard by **11:59 PM on Wednesday October 14, 2020 for L01, L02, L03, L05 and by 11:59 PM on Tuesday October 13, 2020 for L06, L07, L08 and L09**.

1. Write a method to display a pattern as follows:

    ```
                          1
                  2       1
          3       2       1
      …
      n    n-1…  3     2       1
    ```

    the method header is **public static void** displayPattern(**int** n)

    Write a test program that prompts the user to enter an integer then the pattern.

2. Write a method with the following header to display an integer in reverse order:
    public static void reverse(**int** number).
    For example, reverse(3456) displays 6543. Write a test program that prompts the user to enter an integer then displays its reversal.

Grading Guidelines: This lab is graded on a scale of 0-6 points, assigned as follows:

- **0 points:** Student is absent or does not appear to have completed any work for the lab
- **2 point (2*1):** Student has written the program, but it has errors.
- **4 points (2*2):** Student has written the program it compiles without error, but it does not produce the correct output.
- **6 points (2*3):** Student has written the program and it compiles and runs correctly, without any errors.