Throughout this lab session, you will learn more about loops in C.

1. Write a C program using nested while loop to reproduce the following output:
   1
   22
   333
   4444
   55555

Upload your completed program to the Lab 06 – Program 01 folder.

2. Write a C program to print out the following star pattern based on the used entered height of the triangle.
   Test data and expected output:
   ```
   Please enter the triangle height: 5
   *
   **
   ***
   ****
   *****
   ```

Upload your completed program to the Lab 06 – Program 02 folder.

3. Write a C program to display the following pyramid based on the user entered height of the pyramid.
   Test data and expected output:
   ```
   Please enter the height of the pyramid: 5

       *
      ***
     *****
    *******
   *********
   ```

Upload your completed program to the Lab 06 – Program 03 folder.

4. Write a C program that accepts a sequence of positive integers between 1 and 9 both inclusive from the keyboard. The program will stop accepting input once an integer outside the range is entered. The program will finish by printing the total number multiples of 3 and total number of even integers entered.

    Test data and expected output (sample run 1):
    ```
    Enter integers between 1 & 9 both inclusive, outside range to stop
    Enter integer :0
    Total no of even integer entered is 0
    Total no of multiples of 3 entered is 0
    ```

    Test data and expected output (sample run 1):
    ```
    Enter integers between 1 & 9 both inclusive, outside range to stop
    Enter integer :2
    Enter integer :4
    Enter integer :6
    Enter integer :9
    Enter integer :3
    Enter integer :1
    Enter integer :2
    Enter integer :0
    Total no of even integer entered is 4
    Total no of multiples of 3 entered is 3
    ```

Upload your completed program to the Lab 06 – Program 04 folder.