

## CECS 174 – Assignment 9

### For Loops –

Create a program that has a menu in a repeating loop where the user can choose to display one of the following four triangles, or to exit the program. Check for any user input errors.

#### Triangle 1 – Top Left Corner

Prompt the user to enter the size of the triangle ( $x$ ). Display a triangle made of '\*' (or '.', 'o', 'x'), where its base and height are  $x$  and are oriented in the top left corner.

#### Triangle 2 – Top Right Corner

Prompt the user to enter the size of the triangle ( $x$ ). Display a triangle made of '\*' (or '.', 'o', 'x'), where its base and height are  $x$  and are oriented in the top right corner.

#### Triangle 3 – Bottom Left Corner

Prompt the user to enter the size of the triangle ( $x$ ). Display a triangle made of '\*' (or '.', 'o', 'x'), where its base and height are  $x$  and are oriented in the bottom left corner.

#### Triangle 4 – Bottom Right Corner

Prompt the user to enter the size of the triangle ( $x$ ). Display a triangle made of '\*' (or '.', 'o', 'x'), where its base and height are  $x$  and are oriented in the bottom right corner.

### Sample Outputs:

Menu:

1. Triangle 1
2. Triangle 2
3. Triangle 3
4. Triangle 4
5. Quit

1

Enter size of triangle: 5

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

Menu:

1. Triangle 1
2. Triangle 2
3. Triangle 3
4. Triangle 4
5. Quit

4

Enter size of triangle: 5

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