PROGRAMMING CLASSWORK 5
KIERAN YALLA

/

Header to include in source code:

 * Class: CMSC140 CRN

 * Instructor: Prof Koo

 * Classwork/Homework/<5>

 * Description: Develop two programs. The first one being to print out different star patterns, the other being one that saves user info in a data file list

 * Due Date: 10/21/21

 * I pledge that I have completed the programming assignment independently.

   I have not copied the code from a student or any source.

   I have not given my code to any student.

   Print your Name here: Kieran Yalla

 */

Output of Part 1:

```
(i)
*********

(ii)
********************

(iii)
*
**
***
****
*****
******
*******
********
*********

(iv)
*
**
***
****
*****
******
*******
********
*********
**********
***********
************
*************
**************
***************
****************
*****************
******************
*******************

(v)
*********
********
*******
******
*****
****
***
**
*

(vi)
********************
*******************
******************
*****************
****************
***************
**************
*************
************
***********
**********
*********
********
*******
******
*****
****
***
**
*

...Program finished with exit code 0
Press ENTER to exit console.
```

Output of Part 2:

```
Enter your Name : John
Enter your Phone Number : 123 456 789
Enter your Street : 123 Observation Dr.
Enter your State : MD
Enter your City : Germantown, MD
Enter your Zip Code : 20874


Name:
Phone Number: 123 456 789
Address: 123 Observation Dr., Germantown, MD, MD, 20874


...Program finished with exit code 0
Press ENTER to exit console.
```

Pseudo code for Part 1: (not 100% sure how to do pseudo code for this so sorry if its butchered)

```
START
Print i
Spaces = 0, Number of stars = 10,i++
Print stars (So pyramid is made of stars)
Print ii
Spaces = 0, Number of stars = 20,i++
Print stars
Print iii
Spaces = 0, Number of rows = 10,i++
Run until rows are finished
Print stars
Print iv
Spaces = 0, Number of rows = 20,i++
Run until rows are finished
Print stars
Print v
Spaces = 0, Number of rows = 10,i--(pyramid upside down now)
Run until rows are finished
Print stars
Print vi
Spaces = 0, Number of rows = 20,i--(pyramid upside down now)
Run until rows are finished
Print stars
```

END

Pseudo code for part 2:

START
Ask user to enter name
Ask user to enter phonenumber
Ask user to enter street
Ask user to enter state
Ask user to enter city
Ask user to enter zip code
Open text file name list
Output name to txt file
Output phonenumber to txt file
Output street to txt file
Output state to txt file
Output city to txt file
Output zip code to txt file
While !input.eof
  Get user input name
  Get user input phonenumber
  Get user input street
  Get user input state
  Get user input city
  Get user input zip code
  Print out Name
  Print out Phone Number
  Print out Address
Close input
END