Northern Michigan University (Marquette Co, MI)
CS 202-02-25F: iOS / iPhone Programming

Program 5
Due: Friday 24 October 2025 2:00 P.M. EDT

Create a folder called "PG5" in the top level of your CS202-02-25F folder on PHILOS. Copy both .py files into the PG5 folder. Place a (possibly empty) file or folder called "DONE" into the PG5 folder when you are ready to have your program graded.

Write a Python program to do the following:

Your program should ask the user to enter an integer indicating the size of a square grid (a 5 means the grid is 5x5, etc. It should then ask the user for a line of text whose length is no longer than the size of the grid. (If the grid is 5x5, the text can't have more than 25 characters, for example.)

Your program should build an empty matrix of the specified size, and load in the text, starting in the bottom row of the matrix and winding its way to the center of the grid in a counter-clockwise fashion. It should then print out the matrix.

Example:

```
Enter the size of the grid:  5

Enter a line of text:  SECOND WEEK OF DEER CAMP!

O KEE
FMACW
 P!
DEERD
SECON
```

If the line of text is smaller than the size of the grid, then add extra spaces to the end until it's the right size (or "pretend" that you have).

Break your program into methods as appropriate, and comment well!