NATIONAL UNIVERSITY
OF COMPUTER & EMERGING SCIENCES
PESHAWAR CAMPUS

Problem Set:	Assignment: EX01	**Semester**:	Fall 2017
Points:	*See autograder*		
Date Set:	*See autograder*	**Due Date**:	*See autograder*
Course:	CS101 Introduction to Computing	**Instructor**:	Dr. Nauman

1 Sum of Diagonals on a Spiral

Since you are reading this, you have already downloaded and extracted the zip file.

1.1 Tasks to do

1. This is an extra credit assignment. So, it will have only a little information in the main file. We do have an extra "hint" file but please only look at that if you are absolutely stuck.
2. Take a look at the following spiral:

   21 22 23 24 **25**
   20 **7** 8 **9** 10
   19 6 **1** 2 11
   18 **5** 4 **3** 12
   17 16 15 14 **13**

   It is constructed from the center and the numbers are placed in a spiral going clock-wise. This particular spiral shown in the figure is a 5×5 spiral. We are interested in the sum of numbers on its diagonal (marked in bold red). In this case, the sum is **101**.

   You need to write a function `get_diag_sum` that takes in one input, n, and finds the sum of terms on the diagonal of an $n \times n$ such spiral. For example, if we pass in the number 5, the function should return 101 and if we pass in 3 as input, it should return 25.
3. Notes:
   (a) The function only works on odd numbered integers. For all other types of numbers, it should return 'None'.