Assignment 6

Arrays 2D

1. Take as input a two-d array. Wave print it row-wise E.g. for the following input array
[[11, 12, 13, 14],
[21, 22, 23, 24],
[31, 32, 33, 34],
[41, 42, 43, 44]]
The output is
11, 12, 13, 14, 24, 23, 22, 21, 31, 32, 33, 34, 44, 43, 42, 41

2. Take as input a two-d array. Wave print it column-wise E.g. for the following input array
[[11, 12, 13, 14],
[21, 22, 23, 24],
[31, 32, 33, 34],
[41, 42, 43, 44]]
The output is
11, 21, 31, 41, 42, 32, 22, 12, 13, 23, 33, 43, 44, 34, 24, 14

3. Take as input a two-d array. Spiral print it anti-clockwise E.g. for the following input array
[[11, 12, 13, 14],
[21, 22, 23, 24],
[31, 32, 33, 34],
[41, 42, 43, 44]]
The output is
11, 21, 31, 41, 42, 43, 44, 34, 24, 14, 13, 12, 22, 32, 33, 23

4. Take as input a two-d array. Spiral print it clockwise. E.g. for the following input array
[[11, 12, 13, 14],
[21, 22, 23, 24],
[31, 32, 33, 34],
[41, 42, 43, 44]]
The output is
11, 12, 13, 14, 24, 34, 44, 43, 42, 41, 31, 21, 22, 23, 33, 32

5. Given a list containing the values of a particular stock at regular interval of time, print it out as a graph. You may assume that the stock values are between 0 to 10. Ex: For a given list [1, 2, 3, 2, 1, 0, 1, 2], print out: