pasdfghjklzxcvbnn wertyuiopasdfghjklzxcybnmqw ertyuiopasdfghjklzxcvbnmgwer yulopa ADS assignment **Mapping Function** ulopas ertyui MCA -II Sem opasdf Sandeep Bhatt, MCA051 asdfgh fghjklzxcvbnmqwertyuiopasdf hjklzxcvbnmgwertyuiopasdfgh klzxcvbnmqwertyuiopasdfghjkl zxcvbnmqwertyuiopasdfghjklzx cvbnmqwertyuiopasdfghjklzxcv bnmgwertyuiopasdfghjklzxcvbn gwertyuiopasdfghjklzxcvbnm wertyuiopasdfghjklzxcvbnmq ertyuiopasdfghjklzxcvbnmqw

Question: Suppose that there is a 2D array a[m][n]. We want of store elements of this 2D array to 1D array from last row to first row and within a row from right to left. Derive mapping function to map the index of element a_{ij} in 1D.

Solution:

Map(i,j) = (No. of elements from row m-1 to row i) + (no. of elements from column n-1 to column j)

So the mapping function is : n(m-i)-j-1