Python Lab 2

1.	 Given two numbers N and M, a 2D array whether X exists in the 2D array A or n Input: 2 2 1 2 3 4 3 	y of size N^*M and a number X . Determine ot output: number is found
2.	Given a string <i>S</i> . Print the smallest string that can be obtained by doing the following operations on the original string only : • Split the string into two non empty consecutive strings (for example if you split the	
	String into X and Y so S=X+Y.	
	Sort every one of separated string.	
	 Re-concatenate the two strings into one string. 	
	Note: If you couldn't split the string print the original string.	
	Input: acmicpc	output: acccimp
3.	Given a number N and an array A of N digits (not separated by space). Print the summation of these digits.	
	Input: ou 5 13305	utput: 12
4.	Omani and Mubarak were bored during their trip to Alexandria. So they decided to play a game. The game is that Mubarak gives Omani N numbers and Omani has to sort the array as follows sort range [1,1+m] then [2,m+2] then [3,m+3], [n-m,n]. Then Mubarak will ask smar to find number in postion K. Smar can't find the number. Can you find this number and help smar?	
	Input: contains a single integer N ($1 \le M \le K \le N$), n the size of the array ,m size of range	
	, k the postion of number that nada needs.	
	The next line will contain N integer.	
	Input:	output: 3
	6 3 4	·
	124763	
5	Write a function that takes a string	as input and returns a dictionary containing

5. Write a function that takes a string as input and returns a dictionary containing the frequency of each word in the string.