SET A

```
import numpy as np

def ifSorted(arr1, column):
  flag = True
  row = arr1.shape[0]
  for i in range(row-1):
    if(arr1[i][column]>arr1[i+1][column]):
        flag = False
        break;
  return flag

def addSorted(arr1):
  sum = 0
  row, col = arr1.shape
  for c in range(col):
    if(ifSorted(arr1, c) == True):
      for r in range(row):
        sum+= arr1[r][c]
  return sum
```

SET B

```
import numpy as np

def ifSorted(arr1, column):
  flag = True
  row = arr1.shape[0]
  for i in range(row-1):
    if(arr1[i][column]<arr1[i+1][column]):
        flag = False
        break;
  return flag

def addSorted(arr1):
  sum = 0
  row, col = arr1.shape
  for c in range(col):
    if(ifSorted(arr1, c) == True):
      for r in range(row):
        sum+= arr1[r][c]
  return sum
```

[N.B: If the students use any other way of solving the question, please use your own discretion to properly assess and grade their quiz.]

SL.	Points to Meet	Marks (15)
1	**Imports numpy**	1
2.	**Defines the function properly**	1
3.	**Finds the shape of 2D array properly**	1
4.	**Initializes a variable for sum**	1
5.	**Iteration of the array column wise**	2
6.	**Uses proper techniques to check if the column is sorted**	4
7.	**Adds the sum properly when column is sorted**	4
8.	**Prints or returns Sum variable**	1
Total points:		**15**