https://course.acciojob.com/idle?question=f9d75468-5849-4ca5-8152 -8aca40aeae07

EASY

Max Score: 30 Points

AS Sorting 1

Write a program to sort a given matrix mat[][] of dimensions N*M (row and column) in column wise order.

Your task is to sort each column of a matrix in ascending order and finally print the updated matrix/2D Array.

Input Format

First line contains integer N and M denoting the rows and columns of matrix mat[][]

Each of the next ${\tt N}$ lines contains ${\tt M}$ integers denoting the matrix elements

Output Format

Print the matrix after sorting column wise

Example 1

Input

3 5 9 7 8 11 21 1 4 3 7 2 4 3 14 9 12

Output

```
1 3 3 7 2
4 4 8 9 12
9 7 14 11 21
```

Explanation

The matrix is sorted column wise

Example 2

Input

5 9
9 14 62 23 25 25 41 33 95
78 7 30 97 51 35 41 42 92
79 32 45 30 62 92 87 8 19
52 100 36 11 57 85 73 91 54
90 94 98 21 12 79 80 78 72

Output

9 7 30 11 12 25 41 8 19 52 14 36 21 25 35 41 33 54 78 32 45 23 51 79 73 42 72 79 94 62 30 57 85 80 78 92 90 100 98 97 62 92 87 91 95

Constraints

```
1 <= N <= 20
1 <= M <= 20
-10^6<=mat[i][j]<=10^6
```

Topic Tags

- 2D-Arrays
- Sorting

My code

// n java import java.util.*;

```
import java.lang.*;
import java.io.*;
public class Main
     public static void main (String[] args) throws
java.lang.Exception
     {
           //your code here
           Scanner s=new Scanner(System.in);
           int n=s.nextInt();
            int m=s.nextInt();
           int arr[][]=new int [n][m];
           for(int i=0;i<n;i++)
                 for(int j=0;j< m;j++)
                      arr[i][j]=s.nextInt();
            for(int i=0;i<m;i++)
                  {
                        int arrb[]=new int[n];
                    for(int j=0;j<n;j++)
                       arrb[j]=arr[j][i];
                        Arrays.sort(arrb);
                         for(int j=0;j< n;j++)
                       {
                       arr[j][i]=arrb[j];
```