

Arrays 2D - Sum of rows and columns

Problem

Submissions

Leaderboard

Discussions

Submitted 3 days ago • Score: 100.00

Status: **Accepted**

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4	✓	Test Case #5
✓	Test Case #6	✓	Test Case #7	✓	Test Case #8
✓	Test Case #9				

Submitted Code

Language: Java 8

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```
1 import java.util.*;
2 public class Solution {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         int r = sc.nextInt(), c = sc.nextInt();
6         int[][] mat = new int[r][c];
7         int[] rowSums = new int[r], colSums = new int[c];
8         for (int i = 0; i < r; i++)
9             for (int j = 0; j < c; j++) {
10                 int val = sc.nextInt();
11                 mat[i][j] = val;
12                 rowSums[i] += val;
13                 colSums[j] += val;
14             }
15         int maxRow = 0, maxRowSum = rowSums[0];
16         for (int i = 1; i < r; i++)
17             if (rowSums[i] > maxRowSum) {
18                 maxRowSum = rowSums[i];
19                 maxRow = i;
20             }
21         int maxCol = 0, maxColSum = colSums[0];
22         for (int j = 1; j < c; j++)
23             if (colSums[j] > maxColSum) {
24                 maxColSum = colSums[j];
25                 maxCol = j;
26             }
27         System.out.print("The Sum of rows is ");
28         for (int sum : rowSums) System.out.print(sum + " ");
29         System.out.println("\nRow " + (maxRow + 1) + " has a maximum sum");
```

```
30 System.out.print("The Sum of columns is ");
31 for (int sum : colSums) System.out.print(sum + " ");
32 System.out.println("\nColumn " + (maxCol + 1) + " has the maximum sum");
33 }
34 }
```

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