https://panchalprogrammingacademy.github.io/course-problem-deck/#/problem/601541343e9f44001552778e

Matrix Sum II

30 POINTS

Given a matrix *A* of order *(m, n)* find the row-wise and column-wise sum.

Input format:
First line of input contains two space separated integers *m* and *n*
Next *m* lines each contains *n* space separated integers denoting the elements of the matrix

Output format:
First line of output contains *m* space separated integers denoting the sum of each row
Second line of output contains *n* space separated integers denoting the sum of each column

Constraints:
(i) $1 \leq m, n \leq 100$
(ii) $0 \leq A[i][j] \leq 10$

Test Case - 1
3 5
8 7 9 7 0
7 6 4 1 8
8 7 7 0 0
31 26 22
23 20 20 8 8

Test Case - 2
5 8
7 3 5 7 3 2 6 0
0 2 0 1 6 6 7 4
4 8 8 2 4 4 7 8
4 5 6 8 1 2 8 8
8 5 5 1 7 4 3 7
33 26 45 42 40
23 23 24 19 21 18 31 27

Problem tags:

THE COMPLETE C COURSE EASY MATRIX ARRAY