Description

Matrix Addition

Program Description

Given two matrices of same size M x N, add them and print the resultant matrix.

Input Format

- The first line of input will contain two space separated integers N and M, denoting the number of rows and columns of the two input matrices.
- Next N lines contains M space separated integers, the elements of first matrix.
- Similarly, next N lines contains M space separated integers, the elements of second matrix.

Output Format

- Output N lines contains M space separated integers, the elements of resultant matrix.

Constraints

- 1 ≤ N, M ≤ 1000

Input-1

```
3 3
1 2 3
1 2 3
1 2 3
3 3
1 2 3
4 5 6
```

C - GCC 11.1.0 | Timer 0:22 sec | Light

```c
#include <stdio.h>
int main()
{
    int N, M;
    scanf("%d %d", &N, &M);
    int a[100][100],b[100][100],s[100][100];
    for (int i = 0; i < N; i++)
     {
        for (int j = 0; j < M; j++)
        {
            scanf("%d",&a[i][j]);
        }
    }
    scanf("%d %d", &N, &M);
    for (int i = 0; i < N; i++)
     {
        for (int j = 0; j < M; j++)
        {
            scanf("%d",&b[i][j]);
```

```
20            }
21        }
22        for (int i = 0; i < N; i++)
23        {
24            for (int j = 0; j < M; j++)
25            {
26                s[i][j]=a[i][j]+b[i][j];
27            }
```

</> Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	2 2 1 2 1 2 2 2 1 2 1 2	2 2 1 2 1 2 2 2 1 2 1 2	2 4 2 4	2 4 2 4	1408 KB	2.769 ms	Pass

All hidden testcases passed