

My Maya

Owl Code



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Points: 40

Submissions: 78



Description

Matrix Addition

Program Description

Given two matrices of same size $M \times N$, 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

- $1 \leq N, M \leq 1000$

Input-1

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

Light

C - GCC 11.1.0 ▾



Timer

0:22 sec



```
1  #include <stdio.h>
2  int main()
3  {
4      int N, M;
5      scanf("%d %d", &N, &M);
6      int a[100][100], b[100][100], s[100][100];
7      for (int i = 0; i < N; i++)
8          {
9              for (int j = 0; j < M; j++)
10                 {
11                     scanf("%d", &a[i][j]);
12                 }
13            }
14            scanf("%d %d", &N, &M);
15            for (int i = 0; i < N; i++)
16                {
17                    for (int j = 0; j < M; j++)
18                        {
19                            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



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Light



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