

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
1 2 3
3 3
1 2 3
```

A E C

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        }
28    }
29    for (int i = 0; i < N; i++)
30    {
31        for (int j = 0; j < M; j++)
32        {
33            printf("%d ", s[i][j]);
34        }
35    }
36}
```

```

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	221212221212	221212221212	2424	2424	1408 KB	2.769 ms	Pass

All hidden testcases passed



Contact

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