Addition of two matrices using function

locked

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Write a function which takes two matrices of same dimentions as argument and adds second matrix to the first one.

Write another function which takes a matrix and its dimentions and prints the matrix to generate expected output.

Observe code written in main function to figure out names, arguments and return types of the functions which you have to create.

NOTE: Do not change code of the *main* function.

Input Format

First line will contain two numbers *m* and *n* separated by space. Number of rows are represented by *m*. And number of columns are represented by *n*.

Next *m* lines represent first matrix, each line contains *n* numbers separated by space.

Next *m* lines represent second matrix, each line contains *n* numbers separated by space.

Constraints

1 <= m, n <= 100

Output Format

m lines representing addtion of the two matrices given in the input. Each line contains *n* numbers separated by space.

Sample Input 0

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

Sample Output 0

```
5 5 5
9 9 9
```

Sample Input 1

```
1 1
2
3
```

Sample Output 1

```
5
```

Sample Input 2

```
2 2
2 3
4 5
6 7
8 9
```

Sample Output 2

```
8 10
12 14
```

Submissions: 143
Max Score: 10
Difficulty: Medium

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C

```c
#include <stdio.h>

int main() {

    int m, n;
    scanf("%d %d", &m, &n);
    int matrix1[m][n], matrix2[m][n];
    for(int i = 0; i < m; i++)
        for(int j = 0; j < n; j++)
            scanf("%d", &matrix1[i][j]);
    for(int i = 0; i < m; i++)
        for(int j = 0; j < n; j++)
            scanf("%d", &matrix2[i][j]);
```

```
    matrix_addition(m, n, matrix1, matrix2);
    print(m, n, matrix1);

    return 0;
}
```

Line: 1 Col: 1

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