

# Matrix Addition !!

## Problem Statement

Matrix addition is a fundamental operation in linear algebra where two matrices of the same dimensions are added by summing their corresponding elements.

Your task is to write a program that reads two matrices of the same size and prints their **sum matrix**. Each element in the result matrix should be the sum of the elements from the same position in the input matrices.

## Input Format

- The first line contains two integers R and C, representing the number of rows and columns of the matrices.
- The next R lines contain C space-separated integers, representing the elements of the first matrix.
- The following R lines contain C space-separated integers, representing the elements of the second matrix.

## Constraints

- $1 \leq R, C \leq 100$
- $-10^5 \leq \text{Array Element} \leq 10^5$

## Output Format

- Print the resulting **sum matrix**, where each element is the sum of the corresponding elements of the two matrices.
- Each row of the result should be printed on a new line with space-separated integers.

## Sample Input 0

```
2 2
1 2
3 4
5 6
7 8
```

## Sample Output 0

```
6 8
10 12
```