

Sum of All Elements in a 2D Array!!

Problem Statement

Olivia is designing a simple matrix analyzer tool. One of her tasks is to find the **total sum of all elements** present in a 2D array.

Your task is to write a program that reads a 2D array of integers and calculates the **sum of all its elements**.

Input Format

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

Constraints

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

Output Format

- Print a single integer representing the sum of all elements of the 2D array.

Sample Input 0

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

Sample Output 0

```
21
```