

Sum of Array Elements !!

Problem Statement

Emma is learning how to process collections of numbers using arrays. She wants to calculate the **sum of all elements** in an array entered by the user.

Your task is to help Emma write a program that reads **N integers** into an array and prints the **sum of all array elements**.

Input Format

- The first line contains an integer N, representing the number of elements in the array.
- The second line contains N space-separated integers, representing the elements of the array.

Constraints

- $1 \leq N \leq 100$
 - $-10^5 \leq \text{Array Element} \leq 10^5$

Output Format

- Print a single integer — the sum of all array elements.

Sample Input 0

```
5
10 20 30 40 50
```

Sample Output 0

```
150
```