

## Write Program to find sum of elements in an array

### Description

Get an array as the input from the user and find the sum of the elements.

### Input

Enter the size of array

3

Enter the elements of array

5 10 15

### Output

30

### C Program

```
#include<stdio.h>

int Sum(int arr[], int n)
{
    int sum = 0;
    for(int i = 0; i < n; i++)
        sum = sum + arr[i];
    return sum;
}

int main()
{
    int n;
    printf("Enter the size of array: ");
    scanf("%d",&n);
    int arr[n];
    printf("Enter the elements of array: ");
```

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```
for(int i=0;i<n;i++)  
scanf("%d",&arr[i]);  
printf("Sum: %d",Sum(arr, n));  
}
```

### C++ Program

```
#include<iostream>  
using namespace std;  
int Sum(int arr[], int n)  
{  
    int sum = 0;  
    for(int i = 0; i < n; i++)  
        sum = sum + arr[i];  
    return sum;  
}  
int main()  
{  
    int n;  
    cout<<"Enter the size of array: ";  
    cin>>n;  
    int arr[n];  
    cout<<"Enter the elements of array: ";  
    for(int i=0;i<n;i++)  
        cin>>arr[i];  
    cout<<"Sum: "<<Sum(arr, n);  
}
```

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### Java

```
import java.util.Scanner;

public class Main
{
    public static void main(String args[])
    {

        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the size of the array: ");
        n = sc.nextInt();
        int[] arr = new int[n];
        System.out.println("Enter the array elements: ");
        for(int i = 0; i < n; i++)
        {
            arr[i] = sc.nextInt();
        }
        int sum = 0;

        for(int i=0; i<arr.length; i++)
        {
            sum = sum + arr[i];
        }

        System.out.print("Sum: "+sum);
    }
}
```

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### Python

```
n = int(input("Enter size of array: "))  
arr = []  
print("Enter array elements: ")  
for i in range(0,n):  
    temp = int(input())  
    arr.append(temp)  
Sum = 0  
for i in range(len(arr)):  
    Sum = Sum + arr[i]  
print("Sum: ",Sum)
```



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