https://course.acciojob.com/idle?question=5689bae3-022f-40f8-b89f-a118f520c45f

- EASY
- Max Score: 20 Points

Sum of Array elements using recursion

Given an array of integers, find sum of array elements using recursion.

Input Format

Input consists of a 2 lines.

First line contains `n`.

Second line contains `n` spaced integers.

Output Format

Return the sum of array elements.

EXAMPLE 1

Input:

```
4
1 2 3 4
```

Output::

```
10
```

EXPLANATION:

1 + 2 + 3 + 4 = 10

EXAMPLE 2

Input:

```
3
1 3 3
```

Output::

```
7
```

EXPLANATION:

1 + 3 + 3 = 7.

CONSTRAINTS

1 <= n <= 10^5

-10^4 <= arr[i] <= 10^4

Topic Tags

- **Recursion**
- **Arrays**

My code

```
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
```

```
	static int sum(int arr[],int n,int p)
	{
		if(p==n)
			return 0;
		return(arr[p]+sum(arr,n,p+1));
	}
	public static void main (String[] args) throws java.lang.Exception
	{
		//your code here
		Scanner s=new Scanner(System.in);
		int n=s.nextInt();
		int arr[]=new int[n];
		for(int i=0;i<n;i++)
			arr[i]=s.nextInt();
		int sume=sum(arr,n,0);
		System.out.print(sume);

	}
}
```