



A Very Big Sum ☆

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Calculate and print the sum of the elements in an array, keeping in mind that some of those integers may be quite large.

Function Description

Complete the `aVeryBigSum` function in the editor below. It must return the sum of all array elements.

`aVeryBigSum` has the following parameter(s):

- `ar`: an array of integers .

Input Format

The first line of the input consists of an integer n .

The next line contains n space-separated integers contained in the array.

Output Format

Print the integer sum of the elements in the array.

Constraints

$$1 \leq n \leq 10$$

$$0 \leq ar[i] \leq 10^{10}$$

Sample Input

```
5
1000000001 1000000002 1000000003 1000000004 1000000005
```

Output

```
5000000015
```

Note:

The range of the 32-bit integer is (-2^{31}) to $(2^{31} - 1)$ or $[-2147483648, 2147483647]$.

When we add several integer values, the resulting sum might exceed the above range. You might need to use `long long int` in C/C++ or `long` data type in Java to store such sums.

C#



```
1 using System.CodeDom.Compiler;
2 using System.Collections.Generic;
3 using System.Collections;
4 using System.ComponentModel;
5 using System.Diagnostics.CodeAnalysis;
```



```
6 using System.Globalization;
7 using System.IO;
8 using System.Linq;
9 using System.Reflection;
10 using System.Runtime.Serialization;
11 using System.Text.RegularExpressions;
12 using System.Text;
13 using System;
14
15 class Solution {
16
17     // Complete the aVeryBigSum function below.
18     static long aVeryBigSum(long[] ar) {
19
20
21     }
22
23     static void Main(string[] args) {
24         TextWriter textWriter = new StreamWriter
25         (@System.Environment.GetEnvironmentVariable("OUTPUT_PATH"), true);
26
27         int arCount = Convert.ToInt32(Console.ReadLine());
28
29         long[] ar = Array.ConvertAll(Console.ReadLine().Split(' '), arTemp =>
30         Convert.ToInt64(arTemp))
31         ;
32         long result = aVeryBigSum(ar);
33
34         textWriter.WriteLine(result);
35
36         textWriter.Flush();
37         textWriter.Close();
38     }
39 }
```

Line: 1 Col: 1

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