



A Very Big Sum ☆

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Problem

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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.

Author

vatsalchanana

Difficulty

Easy

Max Score

10

Submitted By

1003738

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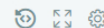


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Java 8



```
1  import java.io.*;
2  import java.math.*;
3  import java.security.*;
4  import java.text.*;
5  import java.util.*;
6  import java.util.concurrent.*;
7  import java.util.regex.*;
8
9  public class Solution {
10
11     // Complete the aVeryBigSum function below.
12     static long aVeryBigSum(long[] ar) {
13         Long sum = 0L;
14         for (int i = 0; i < ar.length; i++) {
15             sum += ar[i];
16         }
17         return sum;
18     }
19 }
```

```
19
20     private static final Scanner scanner = new Scanner(System.in);
21
22     public static void main(String[] args) throws IOException {
23         BufferedWriter bufferedWriter = new BufferedWriter(new FileWriter(System.getenv(
Line: 19 Col: 1
```

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code



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38%

56.71/100

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Test case 0

Test case 1

Compiler Message

Success

Input (stdin)

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```
1 5
2 1000000001 1000000002 1000000003 1000000004 1000000005
```

Expected Output

[Download](#)

```
1 5000000015
```