



A Very Big Sum ★

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Problem

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In this challenge, you need to calculate and print the sum of elements in an array, considering that some integers may be very large.

Function Description

Complete the **aVeryBigSum** function with the following parameter(s):

- **int ar[n]**: an array of integers

Return

- **long**: the sum of the array elements

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

Return the integer sum of the elements in the array.

Constraints

$$1 \leq n \leq 10$$

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

Sample Input

STDIN	Function
-----	-----
5	arr[] size n = 5
1000000001 1000000002 1000000003 1000000004 1000000005	arr[...]

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 int C/C++/Java to store such sums.

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Language

Python 3

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```
1  #!/bin/python3
2
3  import math
4  import os
5  import random
6  import re
7  import sys
8
9  #
10 # Complete the 'aVeryBigSum' function below.
11 #
12 # The function is expected to return a LONG_INTEGER.
13 # The function accepts LONG_INTEGER_ARRAY ar as parameter.
14 #
15
16 def aVeryBigSum(ar):
17     # Write your code here
18     return sum(ar)
19
20 if __name__ == '__main__':
21     fptr = open(os.environ['OUTPUT_PATH'], 'w')
22
23     ar_count = int(input().strip())
24
25     ar = list(map(int, input().rstrip().split()))
26
27     result = aVeryBigSum(ar)
28
29     fptr.write(str(result) + '\n')
30
31     fptr.close()
32
```

EMACS

Line: 32 Col: 1

 Upload Code as File☐ Test against custom input

Run Code

Submit Code

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1%

31/100



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Next Challenge

 Test case 0

Compiler Message

 Test case 1 

Success

Input (stdin)

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1	5
2	1000000001 1000000002 1000000003 1000000004 1000000005

Expected Output

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1	5000000015
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