

In this challenge, you are required to 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):

- `int ar[n]`: an array of integers .

### Return

- `long`: the sum of all 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

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

## Output

```
50000000015
```

### 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.

```
#!/bin/python3

import math
import os
import random
import re
import sys

#
# Complete the 'aVeryBigSum' function below.
#
# The function is expected to return a LONG_INTEGER.
# The function accepts LONG_INTEGER_ARRAY ar as parameter.
#

def aVeryBigSum(ar):
    # Write your code here
    s=0
    for i in ar:
        s+=i
    return s

if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')
```

```

ar_count = int(input().strip())

ar = list(map(int, input().rstrip().split()))

result = aVeryBigSum(ar)

fptr.write(str(result) + '\n')

fptr.close()

```

## Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

### ✔ Sample Test case 0

Input (stdin)

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1	5
2	1000000001 1000000002 1000000003 1000000004 1000000005

Your Output (stdout)

1	5000000015
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Expected Output

[Download](#)

1	5000000015
---	------------



You have earned 10.00 points!

You are now 9 points away from the 1st star for your problem solving badge.

70%

21/30

## Congratulations

You solved this challenge. Would you like to challenge your friends?



[Next Challenge](#)

### ✔ Test case 0

Compiler Message

Success

### ✔ Test case 1

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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