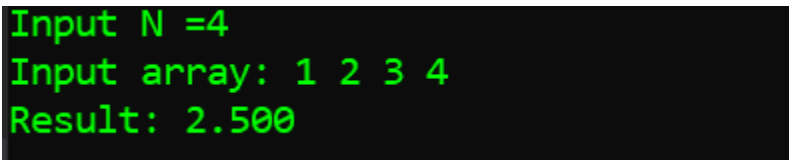


Вариант 2: Найти среднее арифметическое для всех элементов коллекции

1. Листинг кода на C++

```
#include <iostream>
#include <vector>
#include <iomanip>
using namespace std;
int main()
{
    int countOfElements;
    cout << "Input N =";
    cin >> countOfElements;
    vector <double> collection(countOfElements);
    double sumOfElements = 0.0;
    cout << "Input array: ";
    for (int i = 0; i < countOfElements; i++)
    {
        cin >> collection[i];
        sumOfElements += collection[i];
    }
    cout << "Result: " << fixed << setprecision(3) << sumOfElements / countOfElements << endl;
    return 0;
}
```

Результат работы



```
Input N =4
Input array: 1 2 3 4
Result: 2.500
```

2. Листинг кода на Python

```
count = int (input("Input number of elements: "))
sum = 0.0
collection = [ int(input()) for i in range(count) ]
for i in range (0, count):
    sum = sum + collection[i]

print("Result: ")
print(sum / count)
```

Результат работы

```
Input number of elements: 4  
1  
2  
3  
4  
Result:  
2.5  
Press any key to continue . . .
```