CP Club 365Days Challenge

Programming language – C++

Problem Statement

https://www.interviewbit.com/problems/find-variance/

Your Code:

```cpp
// 0x69Day of 0x365Days challenge
// VEDANT BHARAD
// 25-12-2022
#include <iostream>
#include <vector>
#include <cmath>
#include <iomanip>
using namespace std;
string myfun(vector<int> &A) {

    double st = 0;
    double n = A.size();
    for(int i=0; i<n; i++)
        st += A[i];
    double mean = st/n;
    st=0;
    for(auto x:A)
        st += pow(x-mean,2);
        st /= n;
        st *= 100;
        st = round(st);
    string s = to_string(st/100);
    size_t p = s.find('.');
    return s.substr(0,p+3);
}
int main() {
    int n;
    cin >> n;
    int arr[n];
    for (int i = 0; i < n; i++) {
        cin >> arr[i];
    }
    vector<int> vect(arr, arr + n);
    cout << myfun(vect) << endl;
    return 0;
}
```
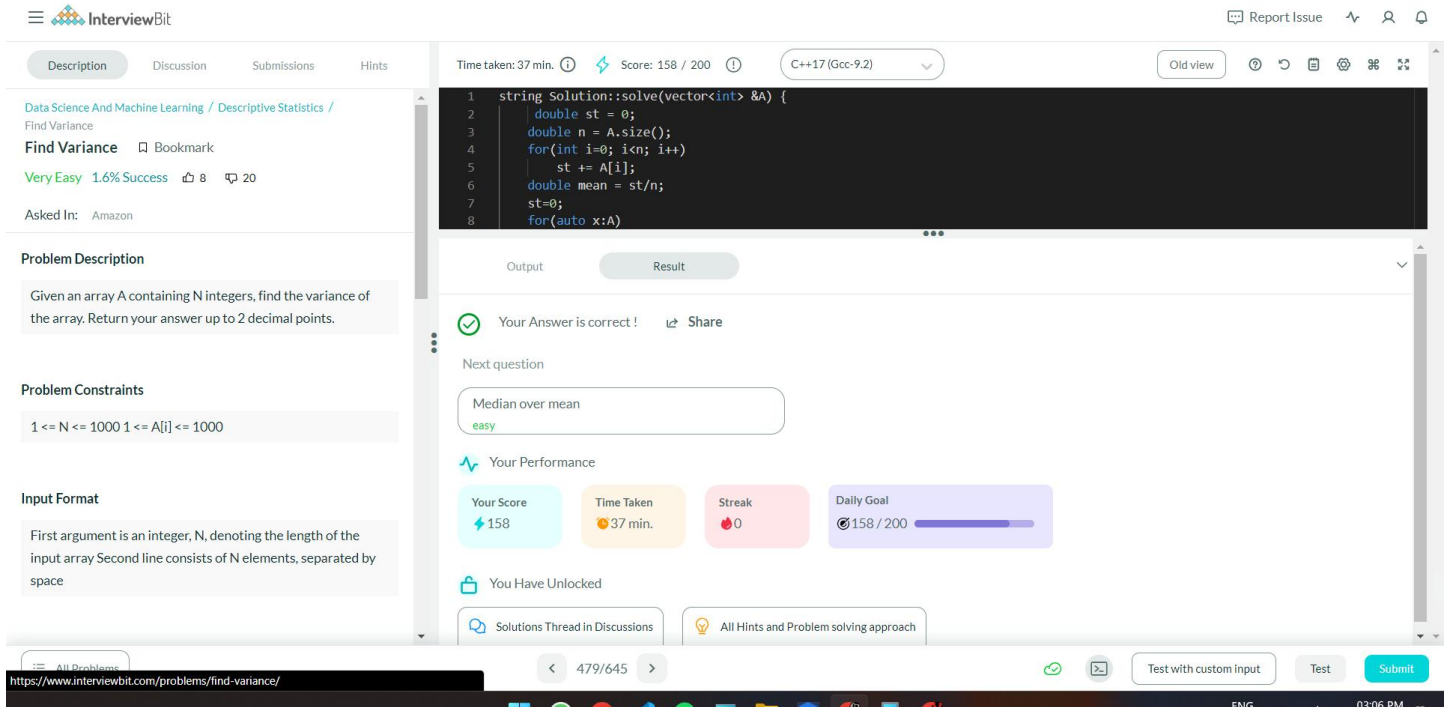
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Sem : 4	Name : VEDANT BHARAD	
Day : 69	Date : 25/12/2022	Enrollment No: 92100133023

Output (Screen Shot):

Understanding about problem:

- In this task there will be one vector and I need to return Variance value of array in string.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST
Team CP Club