 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 47	Date : 03/12/2022	Enrollment No: 92100133023


CP Club 365Days Challenge

Date – 03/12/2022

Programming language – c++

Problem Statement


[https://practice.geeksforgeeks.org/problems/minimize-the-sum-of-product1525/1?page=1&category\[\]=Greedy&sortBy=submissions](https://practice.geeksforgeeks.org/problems/minimize-the-sum-of-product1525/1?page=1&category[]=Greedy&sortBy=submissions)

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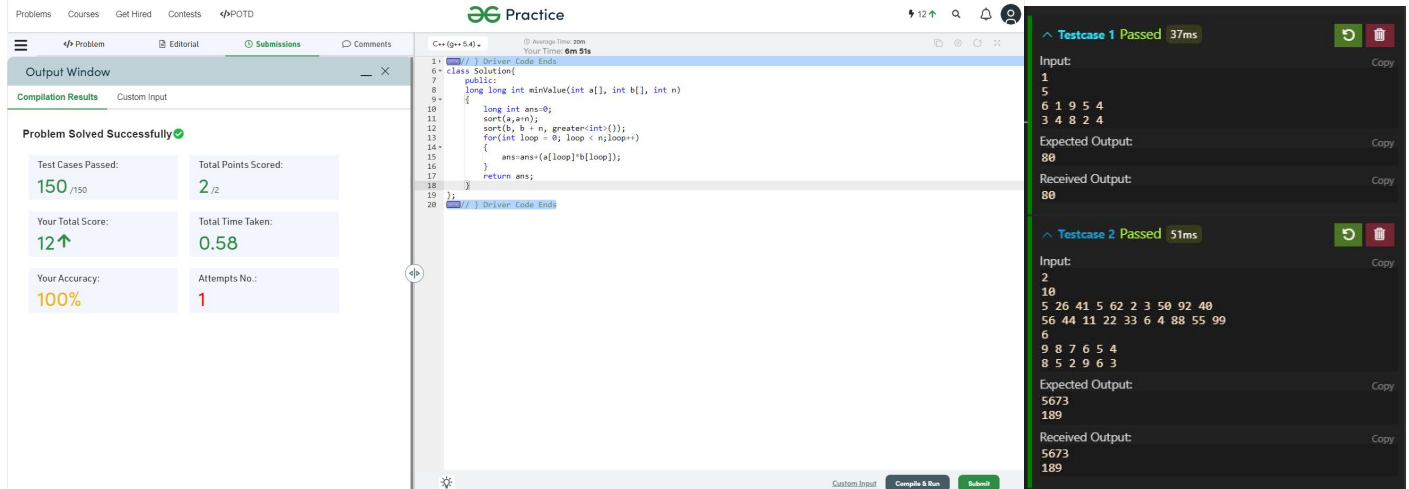
Your Code:

```
// 0x47Day of 0x365Days challenge
// VEDANT BHARAD
// 03-12-2022
//{ Driver Code Starts
#include<bits/stdc++.h>
using namespace std;

// } Driver Code Ends
class Solution{
public:
    long long int minValue(int a[], int b[], int n)
    {
        long int ans=0;
        sort(a,a+n);
        sort(b, b + n, greater<int>());
        for(int loop = 0; loop < n;loop++)
        {
            ans=ans+(a[loop]*b[loop]);
        }
        return ans;
    }
};
//{ Driver Code Starts.
int main()
{
    int t;
    cin>>t;
    while(t-->0)
    {
        int n, i;
        cin>>n;
        int a[n], b[n];
        for(i=0;i<n;i++)
            cin>>a[i];
        for(i=0;i<n;i++)
            cin>>b[i];
        Solution ob;
        cout<< ob.minValue(a, b, n) <<endl;
    }
    return 0;
}
// } Driver Code Ends
```

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Output (Screen Shot):



The screenshot displays a C++ practice environment. On the left, a sidebar shows 'Problem Solved Successfully' with statistics: 150/150 test cases passed, 2/2 total points scored, 12 total score, 0.58 total time taken, 100% accuracy, and 1 attempt. The main area shows a C++ code snippet for a 'minValue' function. On the right, two test cases are shown, both passed. Testcase 1 has an input of 1, 5, 6, 1, 9, 5, 4 and an expected output of 80. Testcase 2 has an input of 2, 10, 5, 26, 41, 5, 62, 2, 3, 50, 92, 40, 56, 44, 11, 22, 33, 6, 4, 88, 55, 99, 6 and an expected output of 5673.

Understanding about problem:

1. In this task there are three inputs first is length second is array and at last second array
2. In this task first I need to sort array1 in ascending order and sort array2 in descending order then I need to multiply same index of both array and then add in other long int variable.

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