

Started on Saturday, 30 August 2025, 8:44 PM

State Finished

Completed on Saturday, 30 August 2025, 8:51 PM

Time taken 6 mins 48 secs

Marks 1.00/1.00

Grade 10.00 out of 10.00 (100%)

Question 1 | Correct Mark 1.00 out of 1.00

Given two arrays array_One[] and array_Two[] of same size N. We need to first rearrange the arrays such that the sum of the product of pairs(1 element from each) is minimum. That is $\text{SUM } (A[i] * B[i])$ for all i is minimum.

For example:

Input	Result
3	28
1	
2	
3	
4	
5	
6	

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     int A[n],B[n];
7     for(int i=0;i<n;i++)
8     {
9         scanf("%d",&A[i]);
10    }
11    for(int i=0;i<n;i++)
12    {
13        scanf("%d",&B[i]);
14    }
15    for(int i=0;i<n-1;i++)
16    {
17        for(int j=i+1;j<n;j++)
18        {
19            if(A[i]>A[j])
20            {
21                int temp=A[i];
22                A[i]=A[j];
23                A[j]=temp;
24            }
25        }
26    }
27    for(int i=0;i<n-1;i++)
28    {
29        for(int j=i+1;j<n;j++)
30        {
31            if(B[i]<B[j])
32            {
33                int temp=B[i];
34                B[i]=B[j];
35                B[j]=temp;
36            }
37        }
38    }
39    int sum=0;
40    for(int i=0;i<n;i++)
41    {
42        sum=sum+A[i]*B[i];
43    }
44    printf("%d",sum);
45 }
```

	Input	Expected	Got	
✓	3 1 2 3 4 5 6	28	28	✓
✓	4 7 5 1 2 1 3 4 1	22	22	✓
✓	5 20 10 30 10 40 8 9 4 3 10	590	590	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.