

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 $SUM (A[i] * B[i])$ 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.