

**Started on** Saturday, 30 August 2025, 7:54 PM

**State** Finished

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

**Time taken** 35 mins 38 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      int n;
4      scanf("%d",&n);
5      int A[n],B[n];
6      for(int i=0;i<n;i++){
7          scanf("%d",&A[i]);
8      }
9      for(int i=0;i<n;i++){
10         scanf("%d",&B[i]);
11     }
12     for(int i=0;i<n-1;i++){
13         for(int j=i+1;j<n;j++){
14             if(A[i]>A[j]){
15                 int temp=A[i];
16                 A[i]=A[j];
17                 A[j]=temp;
18             }
19         }
20     }
21     for(int i=0;i<n-1;i++){
22         for(int j=i+1;j<n;j++){
23             if(B[i]<B[j]){
24                 int temp=B[i];
25                 B[i]=B[j];
26                 B[j]=temp;
27             }
28         }
29     }
30     int sum=0;
31     for(int i=0;i<n;i++){
32         sum+=A[i]*B[i];
33     }
34     printf("%d",sum);
35 }
```

	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.