

Started on	Saturday, 30 August 2025, 7:33 PM
State	Finished
Completed on	Saturday, 30 August 2025, 7:38 PM
Time taken	5 mins 28 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,i,j,temp;
4      int arr[100],a[100];
5      scanf("%d",&n);
6      for(i=0;i<n;i++){
7          scanf("%d",&arr[i]);
8      }
9      for(i=0;i<n;i++){
10         scanf("%d",&a[i]);
11     }
12
13     for(i=0;i<n-1;i++){
14         for(j=0;j<n-i-1;j++){
15             if(arr[j]>arr[j+1]){

```

```

16         temp=arr[j];
17         arr[j]=arr[j+1];
18         arr[j+1]=temp;
19     }
20 }
21 }
22 for(i=0;i<n-1;i++){
23     for(j=0;j<n-i-1;j++){
24         if(a[j]<a[j+1]){
25             temp=a[j];
26             a[j]=a[j+1];
27             a[j+1]=temp;
28         }
29     }
30 }
31 int sum=0;
32 for(i=0;i<n;i++){
33     sum+=arr[i]*a[i];
34 }
35 printf("%d\n",sum);
36 return 0;
37 }

```

	Input	Expected	Got	
✓	3	28	28	✓
	1			
	2			
	3			
	4			
	5			
	6			

	Input	Expected	Got	
✓	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.

