🔔⁷ **VISAANTH M 2024-IT** ⌄   **V2**

Started on	Tuesday, 7 October 2025, 6:32 PM
State	Finished
Completed on	Tuesday, 7 October 2025, 6:33 PM
Time taken	53 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 %)

```c
1   #include<stdio.h>
2   int main(){
3       int n;
4       scanf("%d ",&n);
5       int a[n],a1[n];
6       for(int i=0;i<n;i++){
7           scanf("%d ",&a[i]);}
8       for(int i=0;i<n;i++){
9           scanf("%d ",&a1[i]);}
10
11      for(int i=0;i<n-1;i++){
12          for(int j=i+1;j<n;j++){
13              if(a[i]>a[j]){
14                  int t=a[i];
15                  a[i]=a[j];
16                  a[j]=t;
17              }
18          }
19      }
20
21      for(int i=0;i<n-1;i++){
22          for(int j=i+1;j<n;j++){
23              if(a1[i]<a1[j]){
24                  int t=a1[i];
25                  a1[i]=a1[j];
26                  a1[j]=t;
27              }
28          }
29      }
30      int m=0;
31      for(int i=0;i<n;i++)
32       m+=a[i]*a1[i];
33      printf("%d ",m);
34
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.

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