Started on	Saturday, 30 August 2025, 2:41 PM
State	Finished
Completed on	Saturday, 30 August 2025, 2:47 PM
Time taken	6 mins 26 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   #include<stdlib.h>
3   int cmp_asc(const void *a,const void *b)
4   {
5       return (*(int *)a-*(int *)b);
6   }
7   int cmp_desc(const void *a,const void *b)
8   {
9       return (*(int *)b-*(int *)a);
10  }
11  int main()
12  {
13      int n;
14      scanf("%d",&n);
15      int A[n],B[n];
16      for(int i=0;i<n;i++)
17      scanf("%d",&A[i]);
18      for(int i=0;i<n;i++)
19      scanf("%d",&B[i]);
20      qsort(A,n,sizeof(int),cmp_asc);
21      qsort(B,n,sizeof(int),cmp_desc);
22      int sum=0;
23      for(int i=0;i<n;i++)
24      sum+=A[i]*B[i];
25      printf("%d\n",sum);
26      return 0;
27  }
```

	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.