Started on	Monday, 1 September 2025, 7:16 PM
State	Finished
Completed on	Monday, 1 September 2025, 7:28 PM
Time taken	12 mins
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 1 2 3 4 5 6	28

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
#include<stdlib.h>
int cmpAsc(const void*a,const void*b){
    return(*(int*)a-*(int*)b);
}
int cmpDesc(const void*a,const void*b){
    return(*(int*)b-*(int*)a);
}
int main(){
    int n;
    scanf("%d",&n);

    int A[n],B[n];
    for(int i=0;i<n;i++)scanf("%d",&A[i]);
    for(int i=0;i<n;i++)scanf("%d",&B[i]);

    qsort(A,n,sizeof(int),cmpAsc);
```

```
    qsort(B,n,sizeof(int),cmpDesc);

    long long sum=0;
    for(int i=0;i<n;i++){
        sum+=(long long)A[i]*B[i];
    }
    printf("%lld\n",sum);
    return 0;

}
```

	Input	Expected	Got	
✔	3 1 2 3 4 5 6	28	28	✔
✔	4 7 5 1 2 1 3 4 1	22	22	✔

	Input	Expected	Got	
✔	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.