Started on	Thursday, 28 August 2025, 9:22 PM
State	Finished
Completed on	Thursday, 28 August 2025, 9:32 PM
Time taken	9 mins 52 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 1 2 3 4 5 6	28

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
#include<stdlib.h>
int up(const void*a,const void*b)
{
    return(*(int*)a-*(int*)b);
}
int down(const void*a,const void*b)
{
    return(*(int*)b-*(int*)a);
}
int main()
{
    int a;
    scanf("%d",&a);
    int one[a],two[a];
    for(int i=0;i<a;i++)
    {
        scanf("%d",&one[i]);
    }
    for(int i=0;i<a;i++)
    {
        scanf("%d",&two[i]);
    }
    qsort(one,a,sizeof(int),up);
    qsort(two,a,sizeof(int),down);
    long long add=0;
    for(int i=0;i<a;i++)
    {
        add+=(long long)one[i]*two[i];
    }
    printf("%lld\n",add);
}
```

	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.