Started on	Friday, 30 August 2024, 1:54 PM
State	Finished
Completed on	Friday, 30 August 2024, 2:01 PM
Time taken	6 mins 58 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>
int main()
{
    int n,temp,sum=0;
    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]);
    for(int i=0;i<n;i++)
    {
        for(int j=i+1;j<n;j++)
        {
            if(a[j]<a[i])
            {
                temp=a[i];
                a[i]=a[j];
                a[j]=temp;
            }
            if(b[j]>b[i])
            {
                temp=b[i];
                b[i]=b[j];
                b[j]=temp;
            }
        }
    }
    for(int i=0;i<n;i++)
    sum+=(a[i]*b[i]);
    printf("%d",sum);
}
```

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

	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.

◄ 4-G-Array Sum max problem

Jump to...

1-Number of Zeros in a Given Array ►