Started on	Tuesday, 27 August 2024, 2:49 PM
State	Finished
Completed on	Tuesday, 27 August 2024, 2:54 PM
Time taken	4 mins 54 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 %)

```c
#include<stdio.h>
#include<math.h>
int main(){
    int n;
    scanf("%d",&n);
    int arr[n],arr1[n];
    for(int i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    for(int i=0;i<n;i++){
        scanf("%d",&arr1[i]);
    }

    for(int i=0;i<n;i++){
        for(int j=i+1;j<n;j++){
            if(arr[i]<arr[j]){
                int temp=arr[i];
                arr[i]=arr[j];
                arr[j]=temp;
            }
        }
    }

    for(int i=0;i<n;i++){
        for(int j=i+1;j<n;j++){
            if(arr1[i]>arr1[j]){
                int temp=arr1[i];
                arr1[i]=arr1[j];
                arr1[j]=temp;
            }
        }
    }

    int val=0;
    for(int i=0;i<n;i++){
        val=val+(arr[i]*arr1[i]);
    }
    printf("%d",val);
}
```

	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.

◄ 4-G-Array Sum max problem

Jump to...

1-Number of Zeros in a Given Array ►