Started on	Thursday, 22 August 2024, 10:17 AM
State	Finished
Completed on	Thursday, 22 August 2024, 10:25 AM
Time taken	7 mins 22 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;
    scanf("%d",&n);
    int arr[n],brr[n];
    for(int i=0 ; i<n ; i++)
        scanf("%d",&arr[i]);

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

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

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

	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 ►