Started on	Tuesday, 1 October 2024, 11:49 AM
State	Finished
Completed on	Tuesday, 1 October 2024, 11:49 AM
Time taken	23 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>
int main(){
    int a;
    scanf("%d",&a);
    int arr1[a],arr2[a];
    for(int i=0; i<a; i++){
        int x;
        scanf("%d",&x);
        arr1[i]=x;
    }
    for(int i=0; i<a; i++){
        int x;
        scanf("%d",&x);
        arr2[i]=x;
    }
    for (int i=0; i<a; i++) {
        for (int j=i+1; j<a; j++){
            if (arr1[i] > arr1[j]) {
                int a =  arr1[i];
                arr1[i] = arr1[j];
                arr1[j] = a;
            }
            if (arr2[i] < arr2[j]) {
                int a =  arr2[i];
                arr2[i] = arr2[j];
                arr2[j] = a;
            }
        }
    }
    int sum=0;
    for(int i=0; i<a; i++){
        sum+=arr1[i]*arr2[i];
    }
    printf("%d",sum);
}
```

	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 ►