Started on	Monday, 26 August 2024, 10:07 PM
State	Finished
Completed on	Monday, 26 August 2024, 10:08 PM
Time taken	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 %)

```
#include <stdio.h>
int main(){
    int n;
    scanf("%d",&n);
    int array_One[n],array_Two[n];
    for(int i=0;i<n;i++)
        scanf("%d",&array_One[i]);
    for(int i=0;i<n;i++)
        scanf("%d",&array_Two[i]);
    int temp;
    for(int i=0;i<n;i++){
        for(int j=0;j<n-i-1;j++){
            if(array_One[j]>array_One[j+1]){
                temp=array_One[j];
                array_One[j]=array_One[j+1];
                array_One[j+1]=temp;
            }
        }
    }
    for(int i=0;i<n;i++){
        for(int j=0;j<n-i-1;j++){
            if(array_Two[j]<array_Two[j+1]){
                temp=array_Two[j];
                array_Two[j]=array_Two[j+1];
                array_Two[j+1]=temp;
            }
        }
    }
    int sum=0;
    for(int i=0;i<n;i++){
        sum+=array_One[i]*array_Two[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 ►