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Started on	Tuesday, 27 August 2024, 2:09 PM
State	Finished
Completed on	Tuesday, 27 August 2024, 2:26 PM
Time taken	17 mins 11 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 $\text{SUM}(A[i] * B[i])$ for all i is minimum.

For example:

Input	Result
3 1 2 3 4 5 6	28

Answer: (penalty regime: 0 %)

```

1  #include<stdio.h>
2  void sort(int a,int arr[]){
3      for(int i=0;i<a-1;i++){
4          for(int j=i;j<a;j++){
5              if(arr[i]>arr[j]){
6                  int temp=arr[i];
7                  arr[i]=arr[j];
8                  arr[j]=temp;}}}}
9
10 int main(){
11     int a;scanf("%d",&a);int arr[a],brr[a];
12     for(int i=0;i<a;i++)scanf("%d",&arr[i]);
13     sort(a,arr);
14     for(int i=0;i<a;i++)scanf("%d",&brr[i]);
15     sort(a,brr);int sum=0;
16     for(int i=0;i<a;i++)sum+=arr[i]*brr[a-1-i];
17     printf("%d",sum);
18 }
```

	Input	Expected	Got	
✓	3 1 2 3 4 5 6	28	28	✓
✓	4 7 5 1 2 1 3 4 1	22	22	✓

	Input	Expected	Got	
✓	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 ▶