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Started on	Sunday, 1 September 2024, 12:46 AM
State	Finished
Completed on	Sunday, 1 September 2024, 1:00 AM
Time taken	13 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 %)

```

1  #include<stdio.h>
2  int main(){
3      int a;
4      scanf("%d",&a);
5      int aa[a],aaa[a];
6      for(int i=0;i<a;i++){
7          scanf("%d",&aa[i]);
8      }
9      for(int i=0;i<a;i++){
10         scanf("%d",&aaa[i]);
11     }
12     int temp;
13     for(int i=0;i<a;i++){
14         for(int j=i+1;j<a;j++){
15             if(aa[i]>aa[j]){
16                 temp=aa[i];
17                 aa[i]=aa[j];
18                 aa[j]=temp;
19             }
20         }
21     }
22     for(int i=0;i<a;i++){
23         for(int j=i+1;j<a;j++){
24             if(aaa[i]<aaa[j]){
25                 temp=aaa[i];
26                 aaa[i]=aaa[j];
27                 aaa[j]=temp;
28             }
29         }
30     }
31     int aaaaaaaaa=0;
32     for(int i=0;i<a;i++){
33         aaaaaaaaa=aaaaaaaaa+(aa[i]*aaa[i]);
34     }
35     printf("%d",aaaaaaaaa);
36
37 }
```

	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 ▶