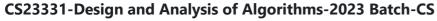
**REC-CIS** 





Dashboard / My courses / CS23331-DAA-2023-CS / Greedy Algorithms / 5-G-Product of Array elements-Minimum

Quiz navigation



Finish review

Status Finished Started Friday, 21 March 2025, 8:37 AM Completed Friday, 21 March 2025, 9:01 AM **Duration** 23 mins 8 secs Marks 1.00/1.00 **Grade 10.00** out of 10.00 (**100**%)

Question 1 Correct Mark 1.00 out of Flag question 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.

Input	Result
3	28
1	
2	
3	
4	
5	
6	

## Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
           int n,a,sum=0;
scanf("%d",&n);
           int arr1[n];
int arr2[n];
           for(int i=0;i<n;i++)</pre>
                scanf("%d",&arr1[i]);
11
12
                for(int j=0;j<n;j++)</pre>
13
14
15
                    scanf("%d",&arr2[j]);
16
17
           for(int i=0;i<n;i++)</pre>
18
                for(int j=i+1;j<n;j++)</pre>
19
20
                     if(arr1[i]>arr1[j])
                         a=arr1[i];
arr1[i]=arr1[j];
22
23
24
25
                          arr1[j]=a;
26
27
           for(int i=0;i<n;i++)</pre>
28
29
                for(int j=i+1;j<n;j++)</pre>
30
31
32
                     if(arr2[i]<arr2[j])</pre>
34
35
                         a=arr2[i];
arr2[i]=arr2[j];
36
37
38
                          arr2[j]=a;
39
40
           for(int k=0;k<n;k++)</pre>
41
42
                sum+=arr1[k]*arr2[k];
43
44
           printf("%d",sum);
45
46 }
```

Inpu	Expected	Got	
3	28	28	
1			
2			
3			
5			
6			
4	22	22	,
7	122		
5			
1			
2			
1 3			
4			
1			
5	590	590	ł
20	590	590	
10			
30			
10 40			

		Input	Expected	Got	
		9			
		3 10			
	Pa	ssed all t	ests!		
	Cor	_			
	Mar	ks for this	submission:	1.00/1.	00.
4-G-Array Sui	m max	k problei	m		