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MANISHA M 2024-CSE M2

One-Dimensional Arrays

GE23131-PUC-2024 / Week-06-One-Dimensional Arrays

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✓ Done

Windows taskbar: ENG IN, 1:10 PM, 1/17/2025

programming Using C-2024

Attempts allowed: 3

This quiz has been configured so that students may only attempt it using the Safe Exam Browser.

Time limit: 2 hours

Grading method: Highest grade

Your attempts

Attempt 2

Status	Finished
Started	Wednesday, 15 January 2025, 1:35 PM
Completed	Wednesday, 15 January 2025, 3:10 PM
Duration	1 hour 35 mins

Review

Attempt 1

Status	Finished
Started	Tuesday, 24 December 2024, 10:29 AM
Completed	Tuesday, 24 December 2024, 11:51 AM
Duration	1 hour 21 mins

Review

The Safe Exam Browser keys could not be validated. Check that you're using Safe Exam Browser with the correct configuration file.

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Launch Safe Exam Browser

Download configuration

Back to the course



Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main(){
3     int t;
4     scanf("%d",&t);
5     while(t--){
6         int n;
7         scanf("%d",&n);
8         int a[n];
9         for(int i=0;i<n;i++){
10             scanf("%d",&a[i]);
11         }
12         int k;
13         scanf("%d",&k);
14         int flag=0;
15         for(int i=0;i<n;i++){
16             for(int j=i+1;j<n;j++){
17                 if(a[i]-a[j]==k||a[j]-a[i]==k){flag=1;break;}
18             }
19             if(flag) break;}
20         printf("%d\n",flag);
21     }
22 }
23

```

	Input	Expected	Got	
✓	1 3 1 3 5 4	1	1	✓
✓	1 3 1 3 5 99	0	0	✓

Your code failed one or more hidden tests.

Your code must pass all tests to earn any marks. Try again.



Test Case 2: N = 3

Sam buys 1 chocolate on day 1, 0 on day 2, and 3 on day 3. This gives us a total of 4 chocolates. Thus, we print 4 on a new line.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int t,m;
5     scanf("%d",&t);
6     while(t--)
7     {
8         int n,c=0;
9         scanf("%d",&n);
10        m=(n+1)/2;
11        c=m*m;
12        printf("%d\n",c);
13    }
14    return 0;
15 }
```

	Input	Expected	Got	
✓	3	1	1	✓



```
14 return 0;  
15 }
```

	Input	Expected	Got	
✓	3 1 2 3	1 1 4	1 1 4	✓
✓	10 71 100 86 54 40 9 77 9 13 98	1296 2500 1849 729 400 25 1521 25 49 2401	1296 2500 1849 729 400 25 1521 25 49 2401	✓

Passed all tests! ✓



Thus, the function returns the array [1, 0, 3, 4] as the answer.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int s1,s2,ans;
5     scanf("%d",&s1);
6     int ta[s1];
7     for(int i=0;i<s1;i++)
8         scanf("%d",&ta[i]);
9     scanf("%d",&s2);
10    int tb[s2];
11    for(int i=0;i<s2;i++)
12        scanf("%d",&tb[i]);
13    for(int j=0;j<s2;j++)
14    {
15        ans=0;
16        for(int i=0;i<s1;i++)
17        {
18            if(tb[j]>=ta[i])
19                ans++;
20        }
21        printf("%d\n",ans);
22    }
23 }
```

Input	Expected	Got
4	2	2



	Input	Expected	Got	
✓	4	2	2	✓
	1	4	4	
	4			
	2			
	4			
	2			
	3			
	5			
✓	5	1	1	✓
	2	0	0	
	10	3	3	
	5	4	4	
	4			
	8			
	4			
	3			
	1			
	7			
	8			

Passed all tests! ✓

Finish review