arching Algorithms-Linear and Binary

/ GE23131-PUC-2024 / Week-07-Searching Algorithms-Linear and Binary

◄ Week-06-01-One-Dimensional Arrays

► Assessment-07-Searching Algorithms-Linear and Binary

Week-07-01-Practice Session-Coding   ✓ Done

◄ Week-06-01-One-
Dimensional Arrays

Jump to...   ►Assessment-07-Searching
                                                       Algorithms-Linear and Binary

Attempts allowed: 2

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 1

Status	Finished
Started	Wednesday, 15 January 2025, 4:22 PM
Completed	Wednesday, 15 January 2025, 5:13 PM
Duration	50 mins 47 secs

Review

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

Download Safe Exam Browser   Launch Safe Exam Browser   Download configuration

```c
1   #include<stdio.h>
2   int main()
3 ▾ {
4       int t,m,n,flag=0;
5       scanf("%d",&t);
6       for(int i=0;i<t;i++)
7 ▾   {
8           flag=0;
9           scanf("%d\n %d",&m ,&n);
10          int arr[n];
11          for(int j=0;j<n ;j++)
12 ▾       {
13              scanf("%d",&arr[j]);
14          }
15 ▾       for(int a=0;a<n-1;a++){
16 ▾           for(int b=a+1;b<n;b++){
17                  if(arr[a]+arr[b]==m)
18 ▾               {
19                      printf("%d %d\n",a+1,b+1);
20                      flag=1;
21                      break;
22
23                  }
24              }if(flag==1) break;
25          }
26      }
27  return 0;
28  }
```

	Input	Expected	Got	
✓	2	1 4	1 4	✓
	4	1 2	1 2	
	5			
	1 4 5 3 2			
	4			
	4			
	2 2 4 3			

Passed all tests! ✓

Scanned with ACE Scanner

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int main()
3  {
4      int n,m,c,c1=0,co;
5      scanf("%d ",&n);
6      int arr[n];
7      for(int a=0;a<n;a++)
8      {
9          scanf("%d",&arr[a]);
10     }
11     scanf("%d",&m);
12     int brr[m],ans[m];
13     for(int b=0;b<m;b++)
14     {
15         scanf("%d",&brr[b]);
16     }
17
18     for(int j=0;j<m;j++)
19     {
20         c=0;
21         for(int i=0;i<n;i++)
22         {
23             if(arr[i]==brr[j]){
24                 c=1;
25                 arr[i]=-1;
26                 break;
27             }
28
29         }
30         if(c==0)
31         {
32             ans[c1]=brr[j];
33             c1++;
34         }
35     }
36     for(int a=0;a<c1;a++){
```

```
30              if(c==0)
31              {
32                  ans[c1]=brr[j];
33                  c1++;
34              }
35          }
36      for(int a=0;a<c1;a++){
37          co=0;
38          for(int b=0;b<c1;b++)
39          {
40              if(ans[b]<ans[a])
41              co++;
42          }
43          int temp=ans[a];
44          ans[a]=ans[co];
45          ans[co]=temp;
46      }
47      for(int i=0;i<c1;i++)
48      {
49          printf("%d ",ans[i]);
50      }
51  return 0;
52
```

	Input	Expected	Got	
✓	10	204 205 206	204 205 206	✓
	203 204 205 206 207 208 203 204 205 206			
	13			
	203 204 204 205 206 207 205 208 203 206 205 206 204			

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int main()
3 ▾{
4      int t,n, is,rs,m;
5      scanf("%d",&t);
6      for(int i=0;i<t;i++)
7 ▾   {
8          is=0;
9          rs=0;
10         scanf("%d",&n);
11         int arr[n];
12 ▾       for(int j=0;j<n;j++){
13             scanf("%d",&arr[j]);
14         }
15     m=n/2;
16 ▾   if(arr[m]==0){
17         for(m=0;arr[m]==0 && m<n;m++);
18     }
19     for(int j=0;j<=m;j++)
20     is=is+arr[j];
21     for(int j=m;j<n;j++)
22     rs=rs+arr[j];
23     printf("%s\n",(is==rs)?"YES":"NO");
24
25     }
26     return 0;
27 }
```

Input	Expected	Got	
✓ 3	YES	YES	✓
5	YES	YES	
1 1 4 1 1	YES	YES	

```
19        for(int j=0;j<m;j++)
20            is=is+arr[j];
21        for(int j=m;j<n;j++)
22            rs=rs+arr[j];
23        printf("%s\n",(is==rs)?"YES":"NO");
24
25        }
26        return 0;
27  }
```

	Input	Expected	Got	
✓	3	YES	YES	✓
	5	YES	YES	
	1 1 4 1 1	YES	YES	
	4			
	2 0 0 0			
	4			
	0 0 2 0			
✓	2	NO	NO	✓
	3	YES	YES	
	1 2 3			
	4			
	1 2 3 3			

Passed all tests! ✓

Finish review