C 31_q61.c > ⊙ main()

```c
1    // Q61: Search for an element in an array using linear search.
2
3    /*
4    Sample Test Cases:
5    Input 1:
6    5
7    1 2 3 4 5
8    3
9    Output 1:
10   Found at index 2
11
12   Input 2:
13   4
14   10 20 30 40
15   25
16   Output 2:
17   -1
18
19   */
20
21   #include<stdio.h>
22   int main(){
23   int n,i,key,found=-1;
24   scanf("%d",&n);
25   int a[n];
26   for(i=0;i<n;i++)scanf("%d",&a[i]);
27   scanf("%d",&key);
28   for(i=0;i<n;i++){
29   if(a[i]==key){
30   found=i;
31   break;
32   }
33   }
34   if(found!=-1)printf("Found at index %d",found);
35   else printf("-1");
36   return 0;
37   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\31_q61.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
5
1 2 3 4 5
3
Found at index 2
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```

C 31_q62.c > ...

```c
// Q62: Reverse an array without taking extra space.

/*
Sample Test Cases:
Input 1:
4
1 2 3 4
Output 1:
4 3 2 1

*/

#include<stdio.h>
int main(){
int n,i;
scanf("%d",&n);
int a[n];
for(i=0;i<n;i++)scanf("%d",&a[i]);
for(i=n-1;i>=0;i--)printf("%d ",a[i]);
return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\31_q62.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
4
1 2 3 4
4 3 2 1
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```