

Write a C program to search a number using Linear Search method

```
#include<stdio.h>

int main()
{
    int a[20],i,x,n;
    printf("How many elements?");
    scanf("%d",&n);

    printf("Enter array elements:n");
    for(i=0;i<n;++i)
        scanf("%d",&a[i]);

    printf("\nEnter element to search:");
    scanf("%d",&x);

    for(i=0;i<n;++i)
        if(a[i]==x)
            break;

    if(i<n)
        printf("Element found at index %d",i);
    else
        printf("Element not found");

    return 0;
}
```

```
How many elements?4
Enter array elements:n1
1
5
8
nEnter element to search:5
Element found at index 2

...Program finished with exit code 0
Press ENTER to exit console.█
```