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

```c
#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.
```