```c
#include <stdio.h>
#include <stdlib.h>
#define max 100
void lsearch(int a[],int key,int n);
void main()
{
  int a[max];
  int n,i,key;
  printf("read n:");
  scanf("%d",&n);
  printf("read the elements:");
  for(i=0;i<n;i++)
  {
    scanf("%d",&a[i]);
  }
  printf("enter the key element:");
  scanf("%d",&key);
  lsearch(a,key,n);

}
void lsearch(int a[],int key,int n)
{
  int i;
  for(i=0;i<n;i++)
  {
    if(a[i]==key)
    {
      printf("elment found at %d",i+1);
      exit(0);

    }
```

```
    }
    printf("element not found");


}
```

Output:

```
read n:5
read the elements:1
5
3
2
6
enter the key element:2
elment found at 4
```