```
#include <stdio.h>
int RecursiveLS(int arr[], int value, int index, int n)
{
    int pos=0;
    if (index >=n)
    {
        return 0;
    }
    else if (arr[index] == value)
    {
        pos = index+1;
        return pos;
    }
    else
    {
        return RecursiveLS(arr, value, index+1, n);
    }
    return pos;
}
int main()
{
    int n, value, pos, m=0, arr[100];
    printf("Enter the total elements in the array: ");
    scanf("%d", &n);
    printf("Enter the array elements:\n");
    for(int i=0; i<n; i++)
    {
        scanf("%d", &arr[i]);
    }
    printf("Enter the element to search: ");
    scanf("%d", &value);
    pos= RecursiveLS(arr, value, 0, n);
    if (pos!=0)
```

```
    {
      printf("Element found at pos %d\n", pos);
    }
    else
    {
      printf("Element not found\n");
    }
    return 0;
}
```