

linear_search.c

```
1 #include <stdio.h>
2 int main() {
3     int n, key, i, flag = 0;
4     printf("Enter number of elements: ");
5     scanf("%d", &n);
6     int arr[n];
7     printf("Enter array elements: ");
8     for(i = 0; i < n; i++) {
9         scanf("%d", &arr[i]);
10    printf("Enter element to search: ");
11    scanf("%d", &key);
12    for(i = 0; i < n; i++) {
13        if(arr[i] == key) {
14            printf("Element found at index %d\n", i);
15            flag = 1;
16            break;
17        }
18    }
19    if(flag == 0)
20        printf("Element not found\n");
21    return 0;
22 }
```