

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 }
23
```