```c
#include <stdio.h>

int main() {
    int n, key, found = 0;

    // Input: size of the list
    printf("Enter the number of elements: ");
    scanf("%d", &n);

    int arr[n];

    // Input: list elements
    printf("Enter %d elements:\n", n);
    for(int i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }

    // Input: number to search
    printf("Enter the number to search: ");
    scanf("%d", &key);

    // Linear search
    for(int i = 0; i < n; i++) {
        if(arr[i] == key) {
            printf("Number %d found at position %d (index %d).\n", key, i + 1, i);
            found = 1;
            break;
        }
    }

    if (!found)
```

```
        printf("Number %d not found in the list.\n", key);


    return 0;
}
```