8) Write a C program to search a number using Linear Search method.

#include<stdio.h>

int main() {

int arr[20], size, key, i, index;

printf("Number of elements in the list: ");

scanf("%d", &size);

printf("Enter elements of the list: ");

for (i = 0; i < size; i++)

scanf("%d", &arr[i]);

printf("Enter the element to search ie. key element: ");

scanf("%d", &key);

for (index = 0; index < size; index++)

if (arr[index] == key)

break;

if (index < size)

printf("Key element found at position %d", index+1);

else

printf("Key element not found");

return 0;

}

