#include <stdio.h>

int linearSearch(int arr[], int size, int element) {

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

if (arr[i] == element) {

return i; // Return the index of the found element

}

}

return -1; // Return -1 if the element is not found

}

int main() {

int size, element, index;

printf("Enter the size of the array: ");

scanf("%d", &size);

if (size <= 0) {

printf("Please enter a positive integer for the size of the array.\n");

return 1;

}

int arr[size];

printf("Enter %d elements of the array:\n", size);

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

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

}

printf("Enter the element to search for: ");

scanf("%d", &element);

index = linearSearch(arr, size, element);

if (index != -1) {

printf("Element %d found at index %d.\n", element, index);

} else {

printf("Element %d not found in the array.\n", element);

}

return 0;

}