#include <stdio.h>

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

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

if (arr[i] == target) {

return i; // Return the index of the target if found

}

}

return -1; // Return -1 if target is not found

}

int main() {

int arr[] = {1, 3, 5, 7, 9, 11, 13};

int size = sizeof(arr) / sizeof(arr[0]);

int target = 7;

int result = linearSearch(arr, size, target);

if (result != -1) {

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

} else {

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

}

return 0;

}

OUTPUT

Element 7 found at index 3.