#include <iostream>

// Linear search function

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

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

if (arr[i] == target) {

return i; // Return the index where the target was found

}

}

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

}

int main() {

int arr[] = {8, 35, 27, 63, 9, 56, 23};

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

int target = 23;

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

if (result != -1) {

std::cout << "Element found at index: " << result << std::endl;

} else {

std::cout << "Element not found." << std::endl;

}

return 0;

}