

Sequential search (C++)

```
#include <iostream>

using namespace std;

int main() {

    int n, key;

    cout << "Enter number of elements: ";

    cin >> n;

    int a[n];

    cout << "Enter elements:\n";

    for(int i = 0; i < n; i++)

        cin >> a[i];

    cout << "Enter element to search: ";

    cin >> key;

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

        if(a[i] == key) {

            cout << "Element found at position " << i + 1;

            return 0;

        }

    }

    cout << "Element not found";

    return 0;

}
```

Output

Enter number of elements: 4

Enter elements:

8

3

7

4

Enter element to search: 7

Element found at position 3

=== Code Execution Successful ===