

**O‘ZBEKISTON RESPUBLIKASI AXBOROT TEXNOLOGIYALARI VA
KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI**

**MUHAMMAD AL-XORAZMIY NOMIDAGI TOSHKENT AXBOROT
TEXNOLOGIYALARI UNIVERSITETI**



Informatika asoslari kafedrası
Dasturlash Fani

7 - AMALIY ISH

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1-topshiriq

12.04.2003

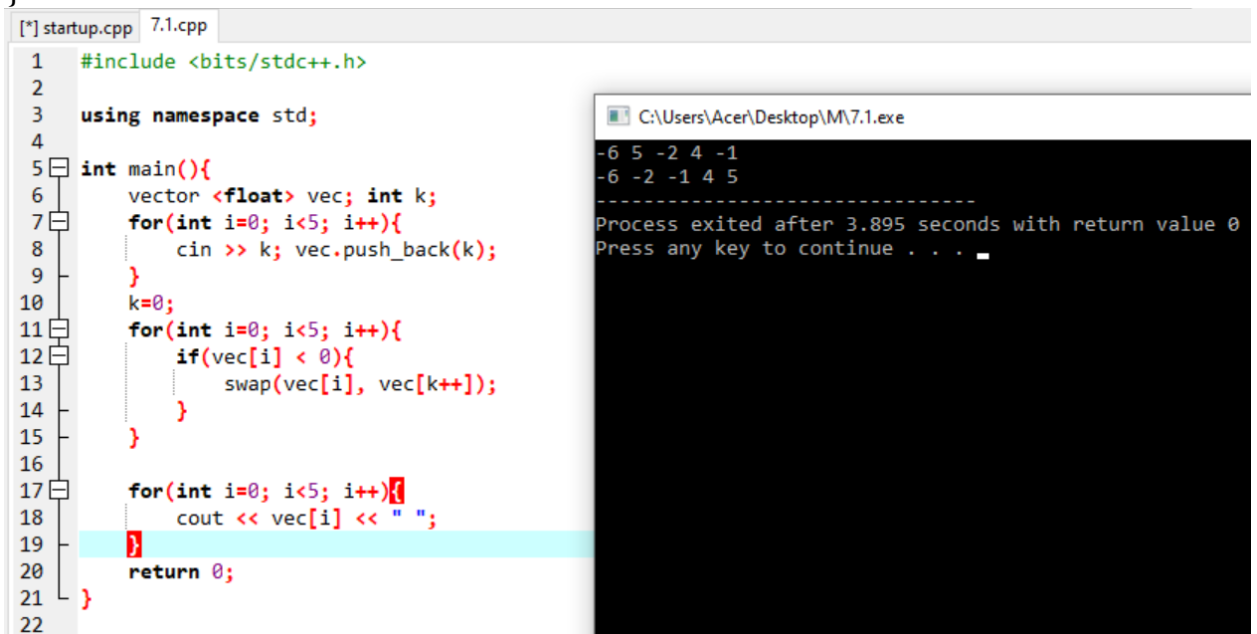
18	<pre>float * x;</pre> <p>Berilgan x vektorning barcha manfiy elementlarini uning boshiga, qolgan elementlari esa oxiriga o'tkazilsin, bunda berilgan vektorning manfiy va qolgan elementlarning boshlang'ich o'zaro joylashuvi saqlansin (qo'shimcha vektordan foydalailmasin).</p>
-----------	---

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
int main(){
    vector <float> vec; int k;
    for(int i=0; i<5; i++){
        cin >> k; vec.push_back(k);
    }
    k=0;
    for(int i=0; i<5; i++){
        if(vec[i] < 0){
            swap(vec[i], vec[k++]);
        }
    }

    for(int i=0; i<5; i++){
        cout << vec[i] << " ";
    }
    return 0;
}
```



The screenshot shows a C++ IDE with a file named 7.1.cpp. The code is the same as the one provided in the previous blocks. The output window shows the execution results: the input values -6, 5, -2, 4, -1 are read, and the output values -6, -2, -1, 4, 5 are printed. The process exited after 3.895 seconds with a return value of 0.

```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 int main(){
6     vector <float> vec; int k;
7     for(int i=0; i<5; i++){
8         cin >> k; vec.push_back(k);
9     }
10    k=0;
11    for(int i=0; i<5; i++){
12        if(vec[i] < 0){
13            swap(vec[i], vec[k++]);
14        }
15    }
16
17    for(int i=0; i<5; i++){
18        cout << vec[i] << " ";
19    }
20    return 0;
21 }
22
```

```
C:\Users\Acer\Desktop\M\7.1.exe
-6 5 -2 4 -1
-6 -2 -1 4 5
-----
Process exited after 3.895 seconds with return value 0
Press any key to continue . . .
```

2-topshiriq

18	<i>n</i> o'lchamga ega ($n > 0$), haqiqiy turga tegishli <i>a</i> massivning o'suvchi tartibda bo'lishiga halaqit beradigan elementlarini o'chiradigan <i>RemoveForInc(n,a)</i> nomli void turidagi funksiya tasvirlansin(<i>n</i> va <i>a</i> lar kiruvchi va chiquvchi parametrlar).
-----------	---

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
void removeForInc(int arr[], int n)
```

```
{
    int l = 1;
    for (int i = 1; i < n; i++) {
        if (arr[l - 1] <= arr[i]) {
            arr[l] = arr[i];
            l++;
        }
    }
    for (int i = 0; i < l; i++)
        cout << arr[i] << " ";
}
```

```
int main(){
    int n;
    cin >> n;
    int a[n];
    for(int i=0; i<n; i++){
        cin >> a[i];
    }
    removeForInc(a, n);
    return 0;
}
```

The screenshot shows a C++ IDE with a file named 7.2.cpp. The code defines a function `removeForInc` that takes an array `arr` and its size `n`. It uses a pointer `l` to track the first element. In `main`, an array `a` of size 5 is created, and the first element is removed using `removeForInc(a, 5)`. The output shows the array `1 4 6 1 9` becoming `1 4 6 9`.

```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 void removeForInc(int arr[], int n)
6 {
7     int l = 1;
8     for (int i = 1; i < n; i++) {
9         if (arr[l - 1] <= arr[i]) {
10             arr[l] = arr[i];
11             l++;
12         }
13     }
14     for (int i = 0; i < l; i++)
15         cout << arr[i] << " ";
16 }
17
18 int main() {
19     int n;
20     cin >> n;
21     int a[n];
22     for (int i = 0; i < n; i++) {
23         cin >> a[i];
24     }
25     removeForInc(a, n);
26     return 0;
27 }
```

Output:

```
C:\Users\Acer\Desktop\M\7.2.exe
5
1 4 6 1 9
1 4 6 9
-----
Process exited after 9.775 seconds with return value 0
Press any key to continue . . .
```

Github: <https://github.com/murodjon-umar0v/TUIT-DASTURLASH-MT>