

# C++方向编程题答案

## 第一周

### day2

题目ID: 100448 排序子序列

链接: <https://www.nowcoder.com/questionTerminal/2d3f6ddd82da445d804c95db22dcc471?orderByHotValue=1&page=1&onlyReference=false>

```
#include<iostream>
#include<vector>

using namespace std;
int main()
{
    int n;
    cin>>n;
    vector<int> v;
    v.resize(n);
    for(int i = 0; i < n; ++i)
        cin>>v[i];

    //找出波峰波谷
    int ret = 1;
    for(int i=1; i<n-1; i++)
    {
        if((v[i-1] < v[i] && v[i] > v[i+1])
            || (v[i-1] > v[i] && v[i] < v[i+1]))
        {
            ret++;

            // 如果发现波峰或者波谷, 这里i++已经比过了, 则需要跳过, 但是要注意越界。
            if(i != n-3)
                i++;
        }
    }
    cout<<ret<<endl;
}
```

69389-倒置字符串

<https://www.nowcoder.com/practice/ee5de2e7c45a46a090c1ced2fdc62355?tpId=85&&tqId=29867&rp=1&ru=/activity/oj&qr=/ta/2017test/question-ranking>

```
#include <iostream>
#include <string>
#include <algorithm>

using namespace std;
```

```

int main()
{
    string s;
    getline(cin, s);

    // 翻转整个句子
    reverse(s.begin(), s.end());
    // 翻转单词
    auto start = s.begin();
    while (start != s.end())
    {
        auto end = start;
        while (end != s.end() && *end != ' ')
            end++;

        reverse(start, end);

        if (end != s.end())
            start = end + 1;
        else
            start = end;
    }

    cout << s << endl;

    return 0;
}

```

or

```

#include <iostream>
#include <string>
using namespace std;
// cin读取string时自动会被空格分隔开，用另一个字符串存储进行逆序输出
int main()
{
    string s1, s2;
    cin >> s2;
    while (cin >> s1)
        s2 = s1 + " " + s2;
    cout << s2 << endl;
    return 0;
}

```