

```
// sample3_2_1cio.cpp : コンソール アプリケーションのエントリ ポイントを定義します。
```

```
//
```

```
#include "stdafx.h"
```

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
int _tmain(int argc, _TCHAR* argv[])
```

```
{
```

```
    //      基準値の読み込み
```

```
    cout << "criterion = ";
```

```
    double c;
```

```
    cin >> c;
```

```
    double x[1000];
```

```
    int n = -1;
```

```
    //      データの読み込み
```

```
    do {
```

```
        n++;
```

```
        cout << "x[" << n << "] = ";
```

```
        cin >> x[n];
```

```
        if (x[n] < c) break;
```

```
    } while (true);
```

```
    cout << "Input data..." << endl;
```

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

```
        cout << "x[" << i << "] = " << x[i] << endl;
```

```
    //      並べ換え
```

```
    for (int i = 0; i < n-1; i++){
```

```
        int k = i;
```

```
        for (int j = i+1; j < n; j++)
```

```
            if (x[k] > x[j]) k = j;
```

```
        if (k > i){
```

```
            double v = x[i];
```

```
            x[i] = x[k];
```

```
            x[k] = v;
```

```
        }
```

```
    }
```

```
    cout << "After sorting..." << endl;
```

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

```
        cout << "x[" << i << "] = " << x[i] << endl;
```

```
    string s;
```

```
    cout << endl << "何か文字を入力して終了。" << endl;
```

```
    cin >> s;
```

```
    return 0;
```

```
}
```