

## 1. swap

```
#include <iostream>

using std::cout;
using std::cin;

void swap(int& a, int& b) {
    int temp = a;
    a = b;
    b = temp;
}

int main() {
    int m, n;
    cin >> m >> n;
    swap(m, n);
    cout << m << " " << n;
    return 0;
}
```



## 2. 重载 swap

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

using std::cout;
using std::cin;
using std::string;
using std::endl;

void swap(int& a, int& b) {
    int temp = a;
    a = b;
    b = temp;
}

void swap(float& a, float& b) {
    float temp = a;
    a = b;
    b = temp;
}

void swap(string& a, string& b) {
    string temp = a;
    a = b;
    b = temp;
}

int main() {
    int n1, n2;
    float f1, f2;
    string s1, s2;

    cin >> n1 >> n2;
    cin >> f1 >> f2;
    cin >> s1 >> s2;

    swap(n1, n2);
    swap(f1, f2);
    swap(s1, s2);

    cout << n1 << " " << n2 << endl;
    cout << f1 << " " << f2 << endl;
    cout << s1 << " " << s2 << endl;
```



```
    return 0;  
}
```

