

```
package com.sxt.observer;
import java.util.ArrayList;
import java.util.List;

public class Subject {

    protected List<Observer> list=new ArrayList<>();

    public void registerObserver(Observer obs) {
        list.add(obs);
    }

    public void removeObserver(Observer obs) {
        list.add(obs);
    }

    //通知所有的观察者更新状态
    public void notifyAllObserver() {
        for(Observer obs:list) {
            obs.update(this);
        }
    }
}
```