

典型的抽象目标类代码

```
public abstract class Subject {  
    protected ArrayList observers = new ArrayList();  
    public abstract void attach(Observer observer);  
    public abstract void detach(Observer observer);  
    public abstract void notify();  
}
```

典型的具体目标类代码

```
public class ConcreteSubject extends Subject {  
    public void attach(Observer observer) {  
        observers.add(observer);  
    }  
    public void detach(Observer observer) {  
        observers.remove(observer);  
    }  
    public void notify() {  
        for(Object obs : observers) {  
            ((Observer)obs).update();  
        }  
    }  
}
```

典型的抽象观察者代码

```
public interface Observer {  
    public void update();  
}
```

典型的具体观察者代码

```
public class ConcreteObserver implements Observer {  
    public void update() {  
        具体更新代码  
    }  
}
```

客户端代码片段

```
Subject subject = new ConcreteSubject();  
Observer observer = new ConcreteObserver();  
subject.attach(observer);  
subject.notify();
```