```
import java.util.ArrayList;
import java.util.List;
// Subject
interface WeatherStation {
  void addObserver(WeatherObserver observer);
  void removeObserver(WeatherObserver observer);
  void notifyObservers();
}
// Concrete Subject
class Weather Station Implements Weather Station {
  private List<WeatherObserver> observers = new ArrayList<>();
  private int temperature;
  public void setTemperature(int temperature) {
    this.temperature = temperature;
    notifyObservers();
  @Override
  public void addObserver(WeatherObserver observer) {
    observers.add(observer);
  @Override
```

```
public void removeObserver(WeatherObserver observer) {
    observers.remove(observer);
  }
  @Override
  public void notifyObservers() {
    for (WeatherObserver observer : observers) {
      observer.update(temperature);
    }
  }
}
// Observer
interface WeatherObserver {
  void update(int temperature);
}
// Concrete Observer
class Display implements WeatherObserver {
  @Override
  public void update(int temperature) {
    System.out.println("Temperature updated: " + temperature + "°C");
}
// Usage
public class ObserverPatternDemo {
  public static void main(String[] args) {
```

```
WeatherStation station = new WeatherStationImpl();
WeatherObserver display = new Display();

station.addObserver(display);
station.setTemperature(25);
station.setTemperature(30);
}
```