import java.util.ArrayList;

import java.util.List;

public class StockMarket implements Stock {

private List<Observer> observers;

private double stockPrice;

public StockMarket() {

this.observers = new ArrayList<>();

}

@Override

public void registerObserver(Observer o) {

observers.add(o);

}

@Override

public void deregisterObserver(Observer o) {

observers.remove(o);

}

@Override

public void notifyObservers() {

for (Observer observer : observers) {

observer.update(stockPrice);

}

}

public void setStockPrice(double stockPrice) {

this.stockPrice = stockPrice;

notifyObservers();

}

public double getStockPrice() {

return stockPrice;

}

}