package com.company;

import java.util.ArrayList;

import java.util.List;

public class Main {

public static void main(String[] args) {

// write your code here

InternetPublic ip = new InternetPublic();

Dashboard db = new Dashboard(ip);

ip.changeData(1000, 2000, 3000);

ip.changeData(1500, 3100, 4200);

ip.changeData(1900, 3500, 4500);

}

}

interface Notifier{

public void addObserver(Observer obs);

public void removeObserver(Observer obs);

public void notifyObserver();

}

class InternetPublic implements Notifier{

private List observers;

private int Followers1;

private int Followers2;

private int Followers3;

public InternetPublic(){

observers = new ArrayList();

}

public void addObserver(Observer obs){

observers.add(obs);

}

public void removeObserver(Observer obs){

int i = observers.indexOf(obs);

if (i >= 0){

observers.remove(i);

}

}

public void notifyObserver(){

for (int i = 0; i < observers.size(); i++){

Observer obs = (Observer) observers.get(i);

obs.update(Followers1 , Followers2 , Followers3);

}

}

public void changeData( int Followers1 , int Followers2 , int Followers3){

this.Followers1 = Followers1;

this.Followers2 = Followers2;

this.Followers3 = Followers3;

notifyObserver();

}

}

interface Observer{

public void update(int Followers1 , int Followers2 , int Followers3 );

}

class Dashboard implements Observer {

private Notifier notifier;

private int Followers1;

private int Followers2;

private int Followers3;

public Dashboard(Notifier notifier) {

this.notifier = notifier;

notifier.addObserver(this);

}

public void update(int Followers1, int Followers2, int Followers3) {

this.Followers1 = Followers1;

this.Followers2 = Followers2;

this.Followers3 = Followers3;

show();

}

public void show() {

System.out.println("Followers of public One: " + Followers1 + ", Followers of public Two: " + Followers2 + ", Followers of public Three: " + Followers3);

}

}