abstract public class Account

{

protected int id;

protected String name;

private DataSource myData;

public void performOperation(DataSource \_myData)

{

myData = \_myData;

myData.execute();

}

}

public class Admin extends Account

{

// A private string specified only with the Admin

private String AuthPassword;

public Admin(int \_id, String \_name, String \_password)

{

id = \_id;

name = \_name;

AuthPassword = \_password;

}

}

public interface DataSource

{

public void execute();

}

public class Delete implements DataSource{

@Override

public void execute() {

System.out.println("Data has been deleted.");

}

}

public class MainApplication

{

public static void main(String[] args)

{

Admin curAdmin = new Admin(1234, "Stephan", "xa1@LW42%3");// instantiation

User curUser = new User(4455, "John");

curAdmin.performOperation(new Update()); // Admin Updates the data.

curUser.performOperation(new View()); // User can view the data.

}

}

public class Update implements DataSource{

@Override

public void execute() {

System.out.println("Data has been Updated Successfuly!");

}

}

public class User extends Account {

public User(int \_id, String \_name){

id = \_id;

name = \_name;

}

}

public class View implements DataSource {

@Override

public void execute() {

System.out.println("Some data to be displayed.");

}

}