先上Reference(*https://github.com/DespairYoke/java-advance/tree/master/design-pattern*):

（简单）工厂模式(**Factory**)：在工厂模式中，我们在创建对象时不会对客户端暴露创建逻辑，并且是通过使用一个共同的接口来指向新创建的对象。

创建实例

**Interface Restaurant**

**cook()**

Order

implements

**我是接口里的方法**

**我是接口**

**我是工厂类**

例：

public interface Restaurant {

void cook();

}

public class Duck implements Restaurant{

public void cook() {

System.out.println("来一份烤鸭");

}

}

public class Fish implements Retsaurant{

public void cook() {

System.out.println("来一份红烧鱼");

}

}

public class Meet implements Resaurant {

public void cook() {

System.out.println("来一份回锅肉");

}

}

public class Oreder {

public static final int MEAN\_MEET = 1;

public static final int MEAN\_FISH = 2;

public static final int MEAN\_DUCK = 3;

public static Resaurant getMean(int meantype){

switch (meantype){

case MEAN\_MEET :

return new Meet();

case MEAN\_FISH :

return new Fish();

case MEAN\_DUCK :

return new Duck();

default:

return null;

}

}

}

代理模式(**Proxy**)：一个对象为另一个对象提供一个代理或者占位符以控制对这个对象的访问。

在Station里New一个Station,即StationProxy的构造方法里需要添加一个Station

implements

**ReturnTicket()**

**Consulte()**

**sellTicket()**

**TicketService**

public interface TicketService {

//售票

void sellTicket();

//咨询

void Consultation();

//退票

void ReturnTicket();

}

public class Station implements TicketService {

@Override

public void sellTicket() {

System.out.println("售票");

}

@Override

public void Consultation() {

System.out.println("咨询");

}

@Override

public void ReturnTicket() {

System.out.println("退票");

}

}

public class StationProxy implements TicketService {

private Station station;

public StationProxy(Station station){

this.station = station;

}

@Override

public void sellTicket() {

System.out.println("欢迎使用车票代售点进行购票，每张票将会收取5元手续费！");

station.sellTicket();

System.out.println("欢迎下次光临");

}

@Override

public void Consultation() {

System.out.println("欢迎咨询，咨询不收取费用");

station.Consultation();

System.out.println("欢迎下次光临");

}

@Override

public void ReturnTicket() {

System.out.println("欢迎使用车票代售点进行退票，每张票将会收取5元手续费！");

station.ReturnTicket();

System.out.println("欢迎下次光临");

}

}