



```

1 package Command_Pattern;
2
3 public class Student {
4     protected Order order;
5
6     public void setOrder(Order order) {
7         this.order = order;
8     }
9     public Student( Order order){
10         this.setOrder(order);
11     }
12     public Student() {
13
14     }
15     public void makeOrder(String orderName) {
16         this.order.setOrderName(orderName);
17         this.order.takeOutOrder(); //带外卖
18     }
19 }

```

```

1 package Command_Pattern;
2
3 public abstract class Order {
4     protected String orderName;
5
6     public void setOrderName(String orderName) {
7         this.orderName = orderName;
8     }
9
10     public abstract void takeOutOrder();
11 }
12

```

```

1 package Command_Pattern;
2
3 public class SchoolOrder extends Order {
4     protected SchoolDiningHall dininghall;
5     public void setDininghall(SchoolDiningHall dininghall) {
6         this.dininghall = dininghall;
7     }
8
9     public SchoolOrder() {
10         // TODO 自动生成的构造函数存根
11     }
12
13     public SchoolOrder(SchoolDiningHall dininghall) {
14         // TODO 自动生成的构造函数存根
15         this.setDininghall(dininghall);
16     }
17
18     @Override
19     public void takeOutOrder() {
20         // TODO 自动生成的方法存根
21         System.out.println("学校食堂收到订单");
22         this.dininghall.cook(this.orderName);
23         System.out.println("学校食堂开始送外卖");
24     }
25
26 }
27

```

```

1 package Command_Pattern;
2
3 public class SchoolDiningHall {
4     public void cook(String order) {
5         System.out.println("学校食堂烹饪了"+order);
6     }
7 }
8

```

```

1 package Command_Pattern;
2
3 public class test {
4
5     public static void main(String[] args) {
6         // TODO 自动生成的方法存根
7         //客户端代码调用
8         //新建学生
9         Student me = new Student();
10        SchoolDiningHall dininghall = new SchoolDiningHall();
11        SchoolOrder order = new SchoolOrder(dininghall);
12        me.setOrder(order);
13        me.makeOrder("红烧牛肉面");
14    }
15
16 }
17

```

控制台

```

<已终止> Test [Java 应用程序] C:\Program Files\Java\jdk-11.0.2\bin\javaw.exe (201
学校食堂收到订单
学校食堂烹饪了红烧牛肉面
学校食堂开始送外卖

```