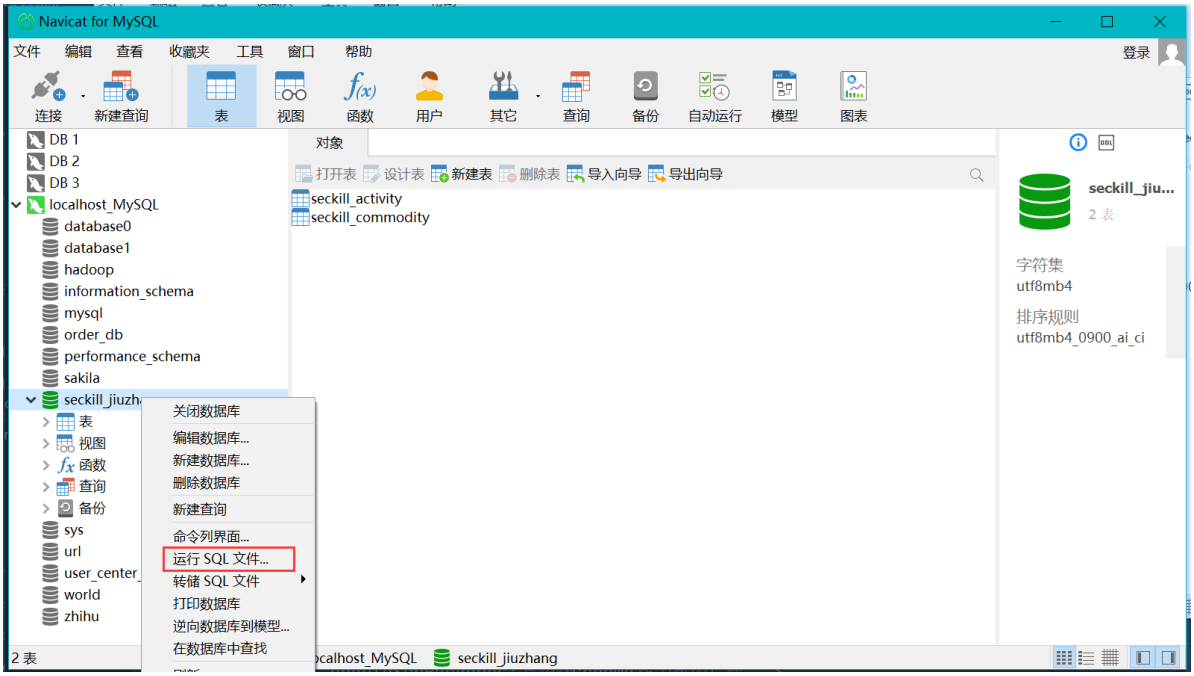
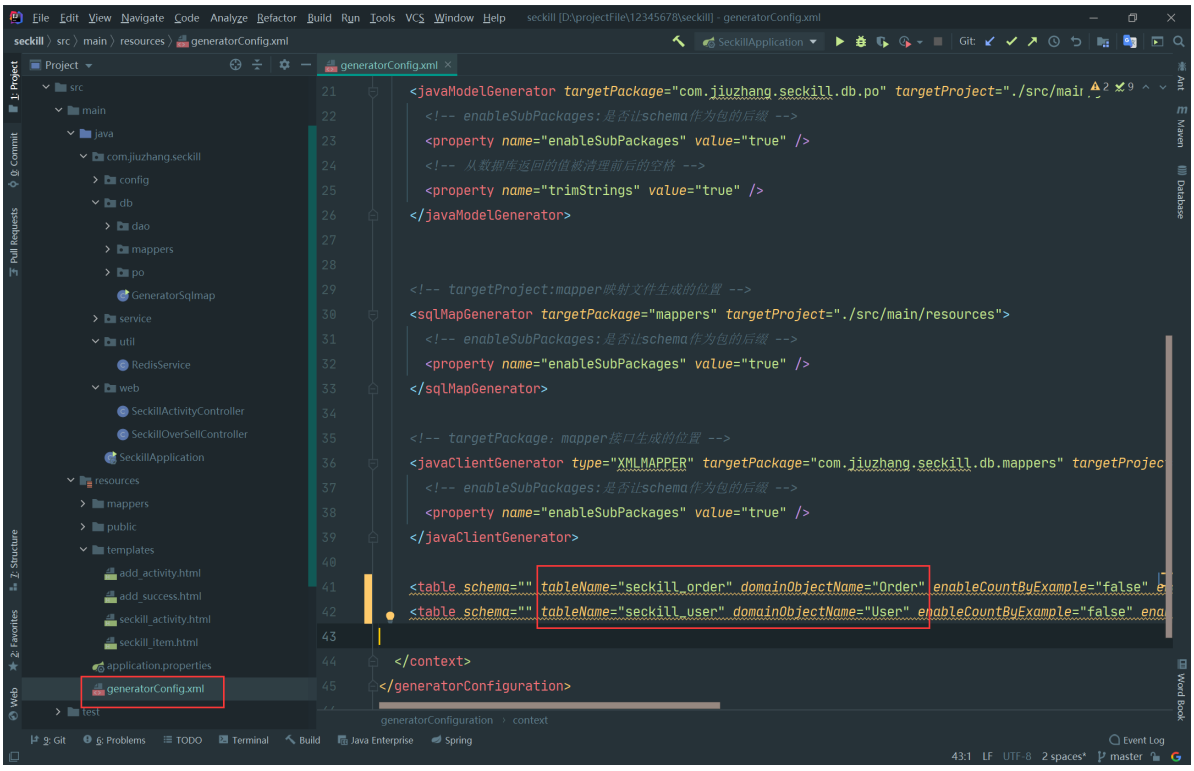
《保姆级教程》第七集 Order 和 User 表的引入 & RockerMQ 的发送、接收测试

1. 打开 navicat 运行 seckill_jiuzhang（下）.sql 文件

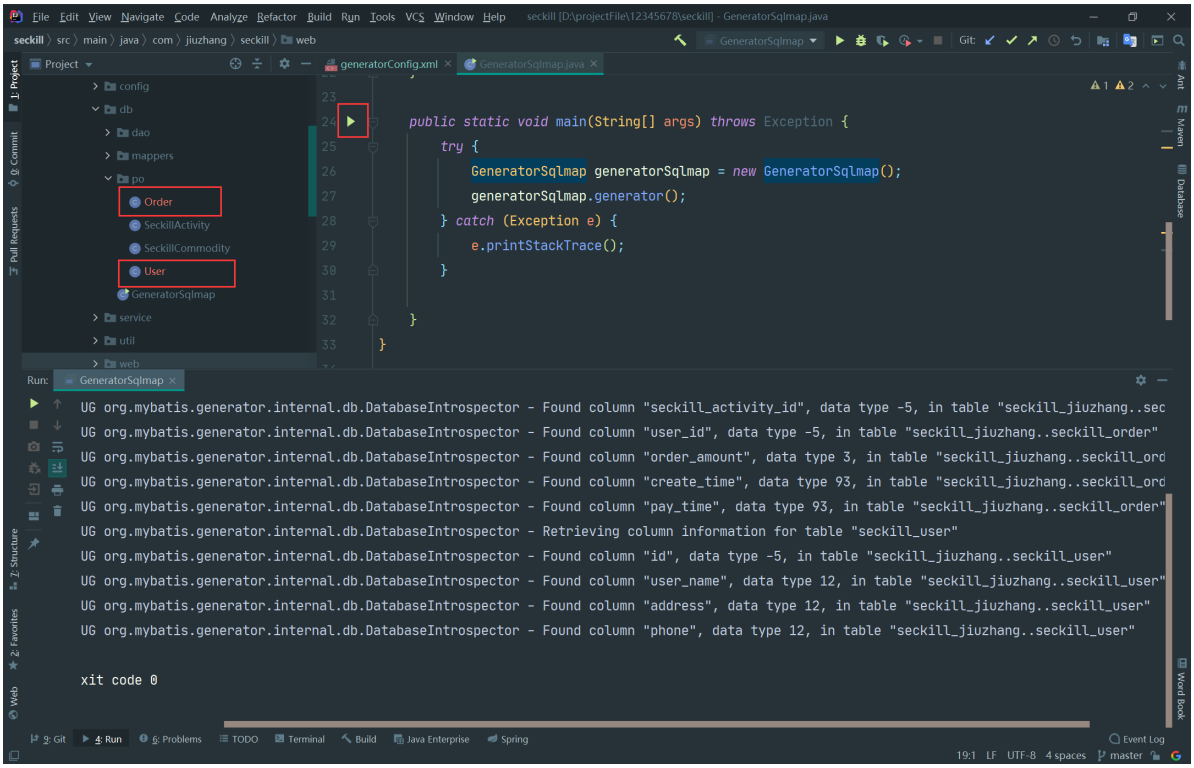


2. 修改 generatorConfig.xml 文件

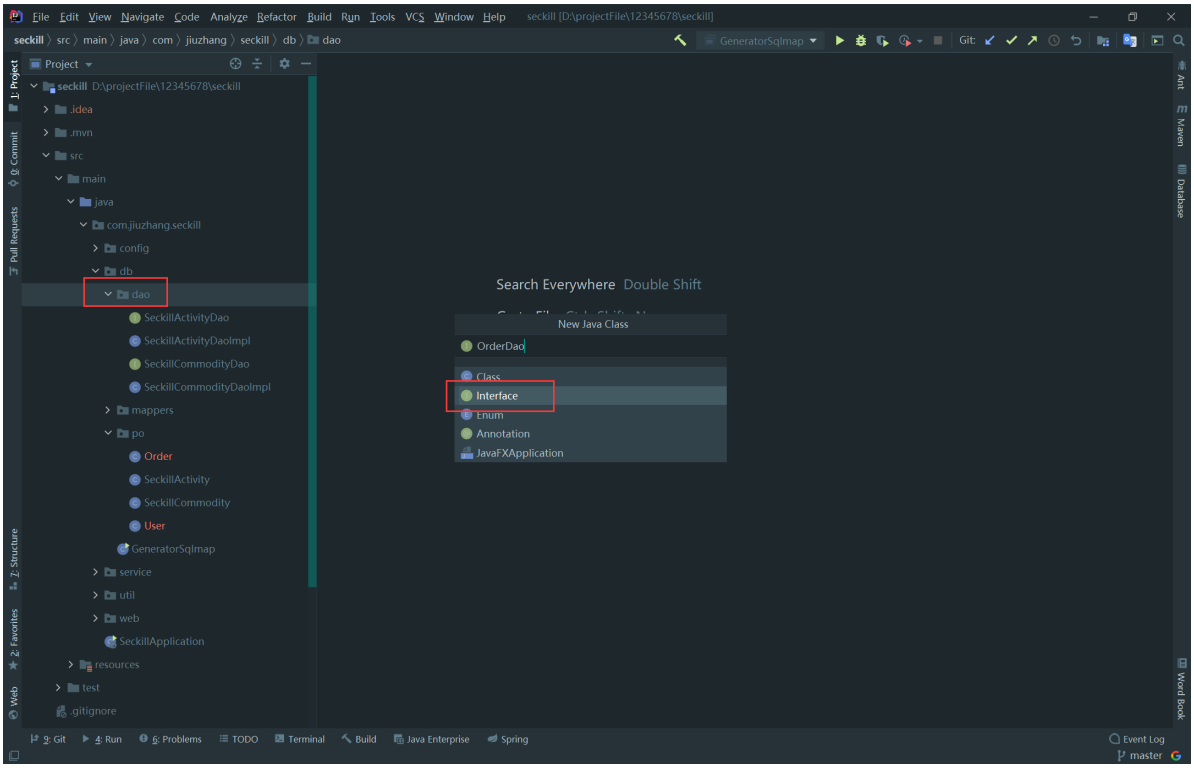


```
<table schema="" tableName="seckill_order" domainObjectName="Order"
enableCountByExample="false" enableDeleteByExample="false"
enableSelectByExample="false" enableUpdateByExample="false"
selectByExampleQueryId="false"></table>

<table schema="" tableName="seckill_user" domainObjectName="User"
enableCountByExample="false" enableDeleteByExample="false"
enableSelectByExample="false" enableUpdateByExample="false"
selectByExampleQueryId="false"></table>
```

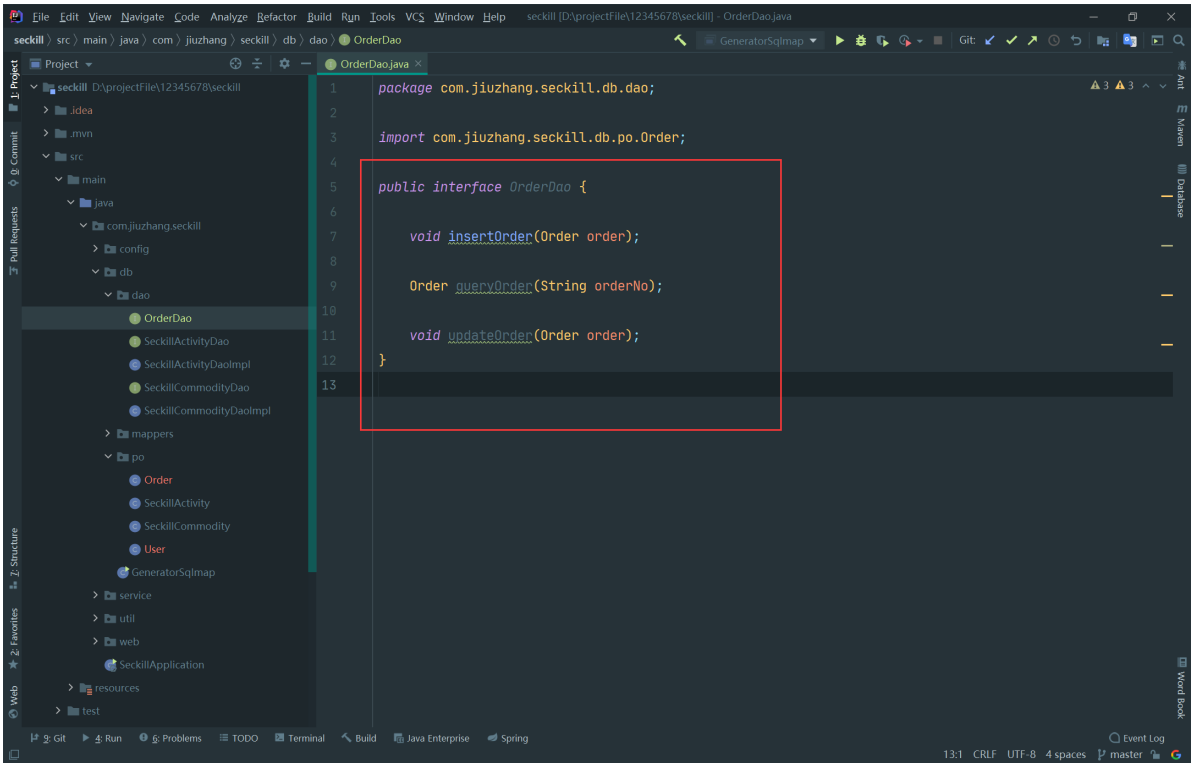
3. 执行 GeneratorSqlmap 的 main 方法，逆向生成相关文件



4. 创建 OrderDao 接口

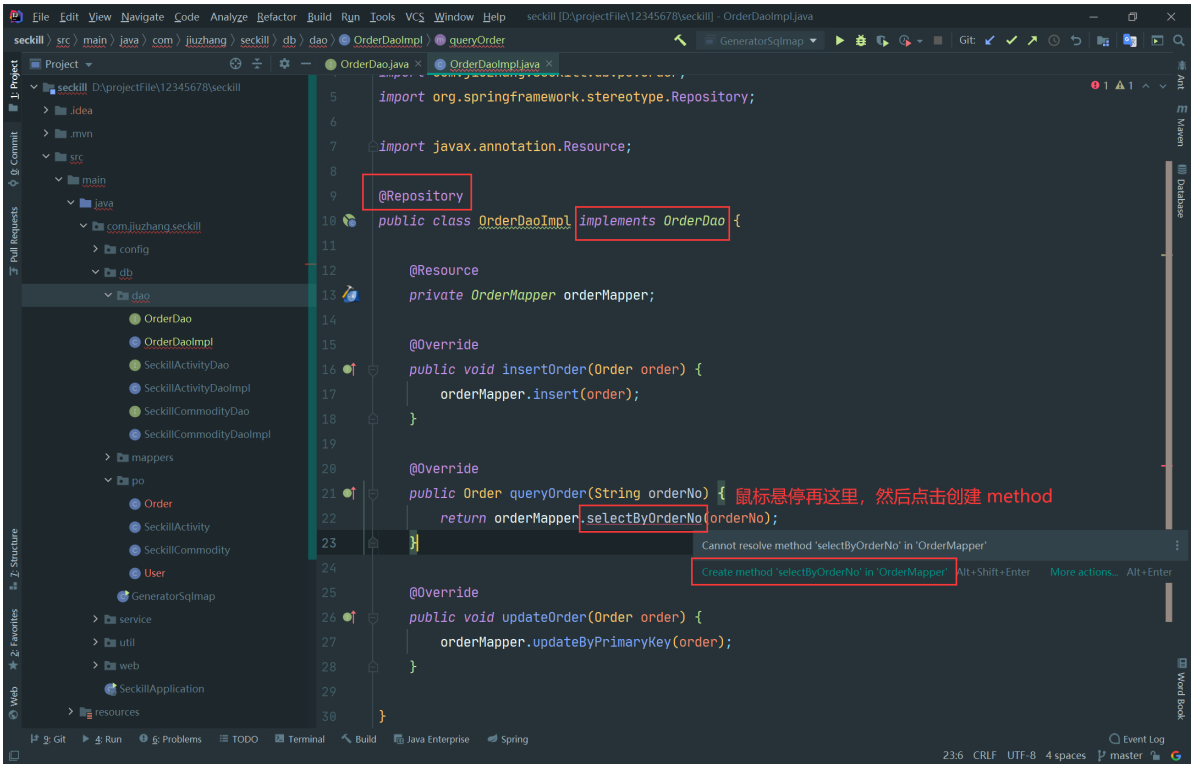


5. 向 OrderDao 接口中添加三个抽象方法



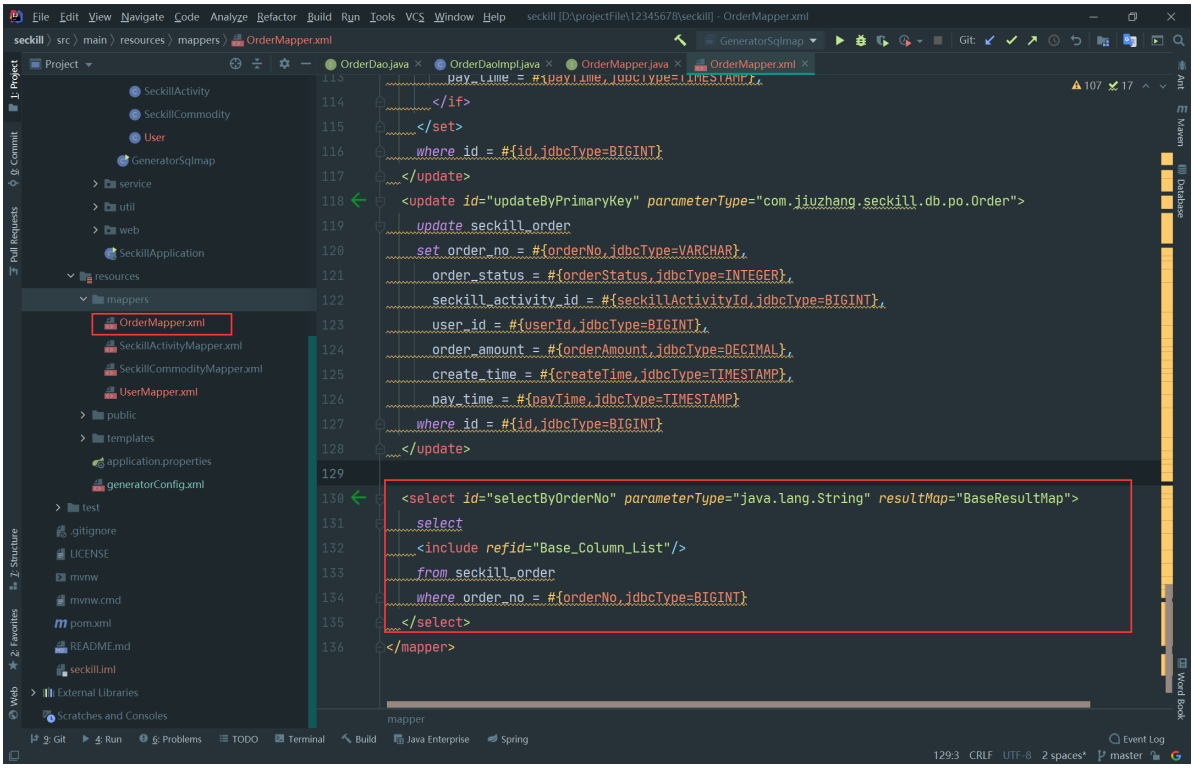

```
void insertOrder(Order order);

Order queryOrder(String orderNo);

void updateOrder(Order order);
```

6. 创建 OrderDao 接口的实现类 OrderDaoImpl & 实现 OrderDao 接口方法 & 添加 @Repository & 注入 OrderMapper 对象




```
@Repository
public class OrderDaoImpl implements OrderDao {

    @Resource
    private OrderMapper orderMapper;

    @Override
    public void insertOrder(Order order) {
        orderMapper.insert(order);
    }

    @Override
    public Order queryOrder(String orderNo) {
        return orderMapper.selectByOrderNo(orderNo);
    }

    @Override
    public void updateOrder(Order order) {
        orderMapper.updateByPrimaryKey(order);
    }

}
```

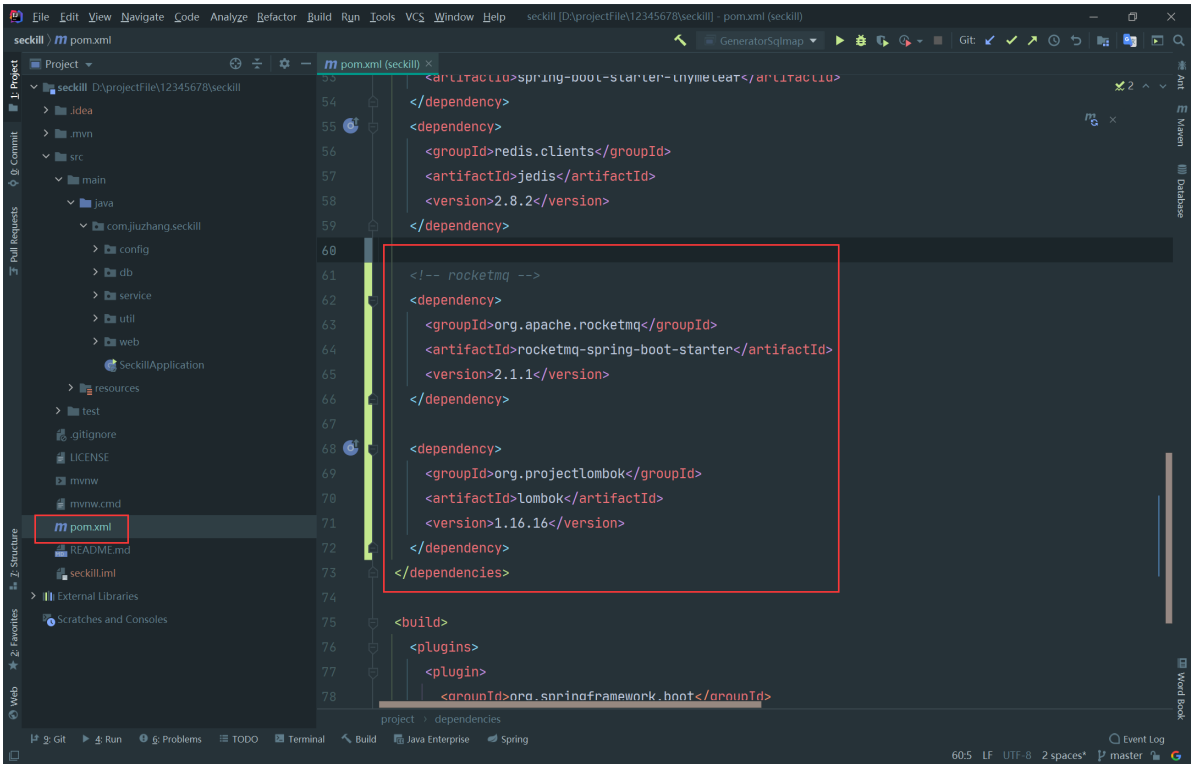
7. 方法创建成功后，打开OrderMapper.xml文件，添加selectByOrderNo



```
  <select id="selectByOrderNo" parameterType="java.lang.String"
resultMap="BaseResultMap">
    select
    <include refid="Base_Column_List"/>
    from seckill_order
    where order_no = #{orderNo,jdbcType=BIGINT}
  </select>
```

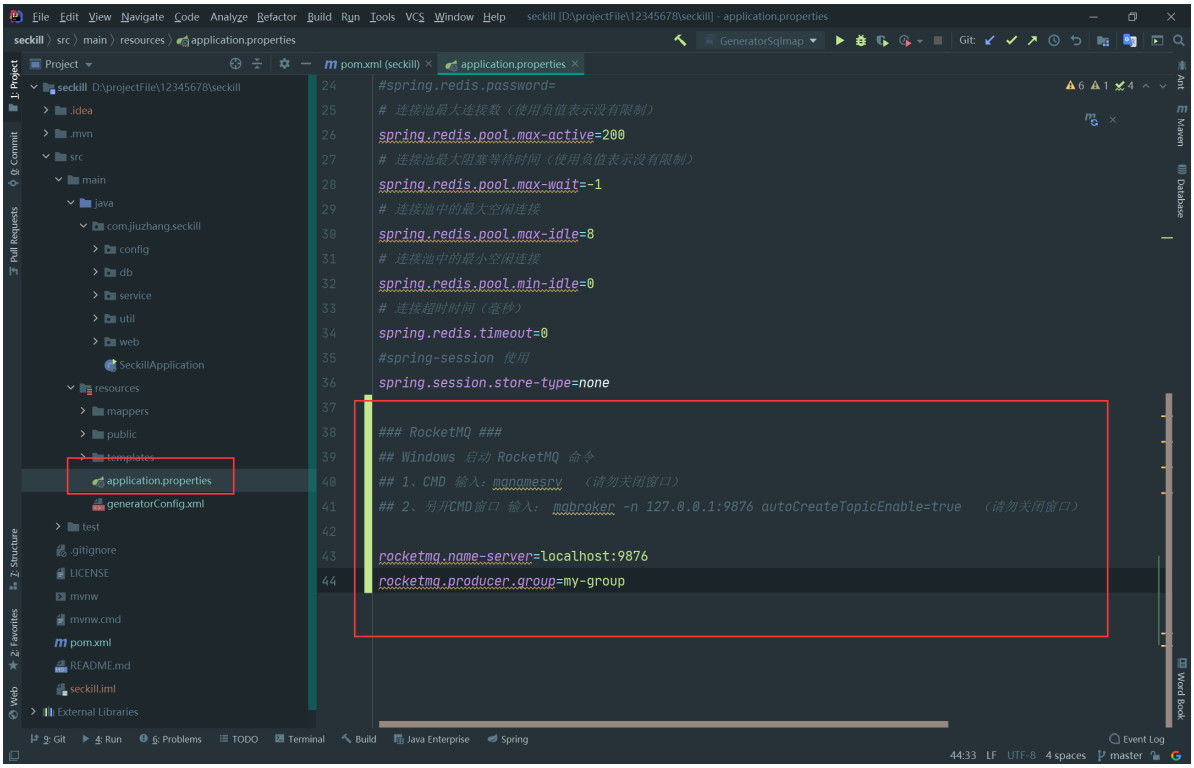
8. 下面我们来引入 RocketMQ 的依赖包 & 同时引入一下 Lombok 的依赖

注意： 添加完依赖后记得刷新一下 maven 依赖



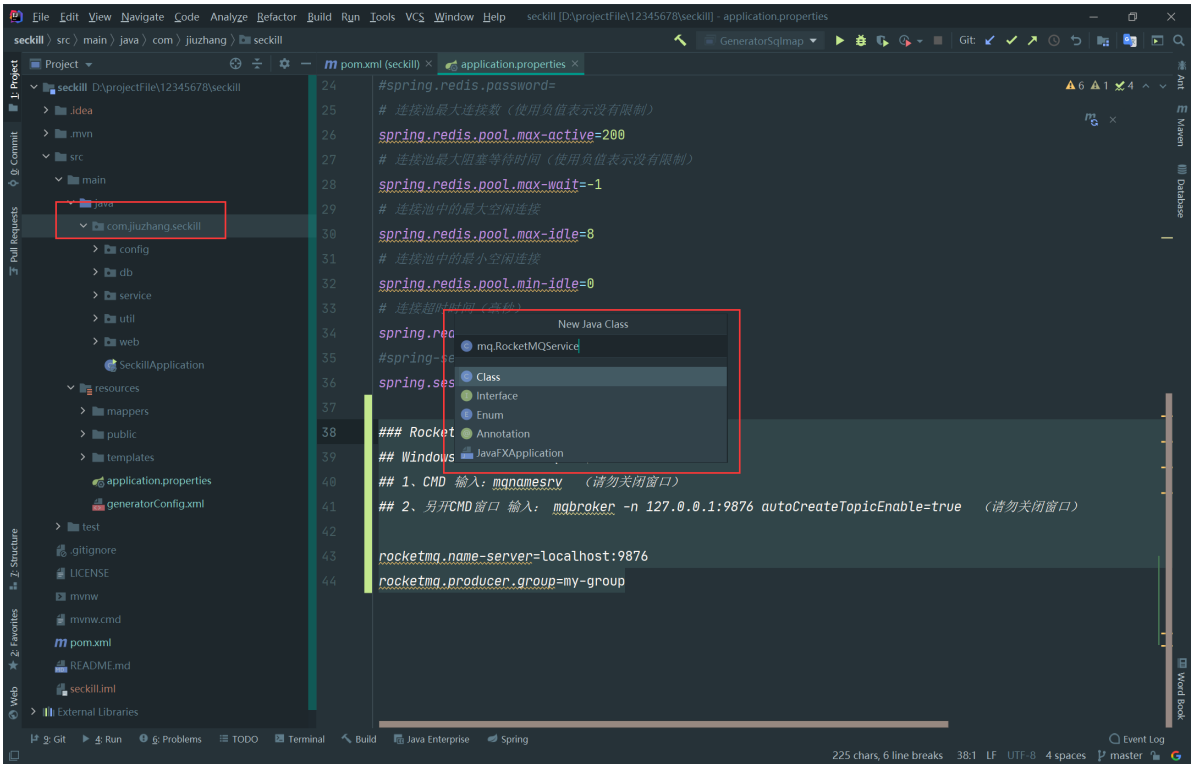
```xml
<!-- rocketmq -->
<dependency>
    <groupId>org.apache.rocketmq</groupId>
    <artifactId>rocketmq-spring-boot-starter</artifactId>
    <version>2.1.1</version>
</dependency>

<dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>1.16.16</version>
</dependency>
```

9. 配置文件配置 RocketMQ



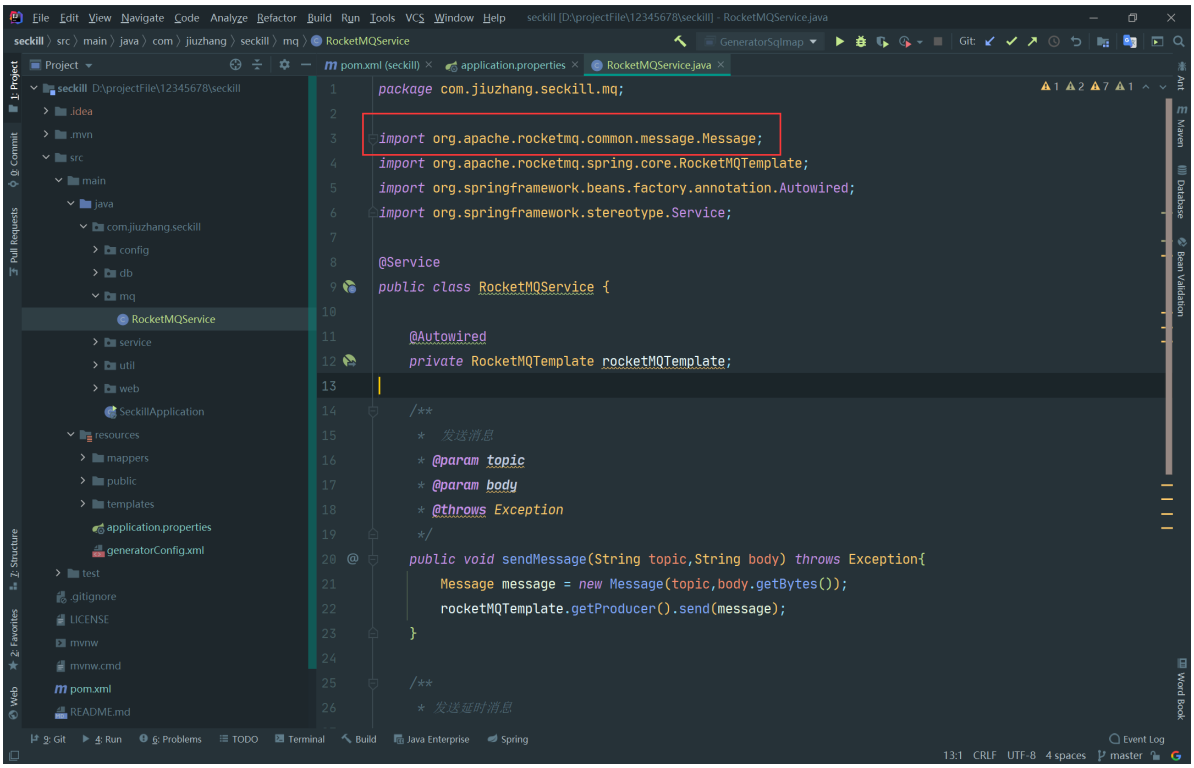

```properties
### RocketMQ ###
## Windows 启动 RocketMQ 命令
## 1、CMD 输入：mqnamesrv （请勿关闭窗口）
## 2、另开CMD窗口 输入： mqbroker -n 127.0.0.1:9876 autoCreateTopicEnable=true （请勿关闭窗口）

rocketmq.name-server=localhost:9876
rocketmq.producer.group=my-group
```

10. 创建 RocketMQService 类



11. 编写 RocketMQ 发送信息的方法

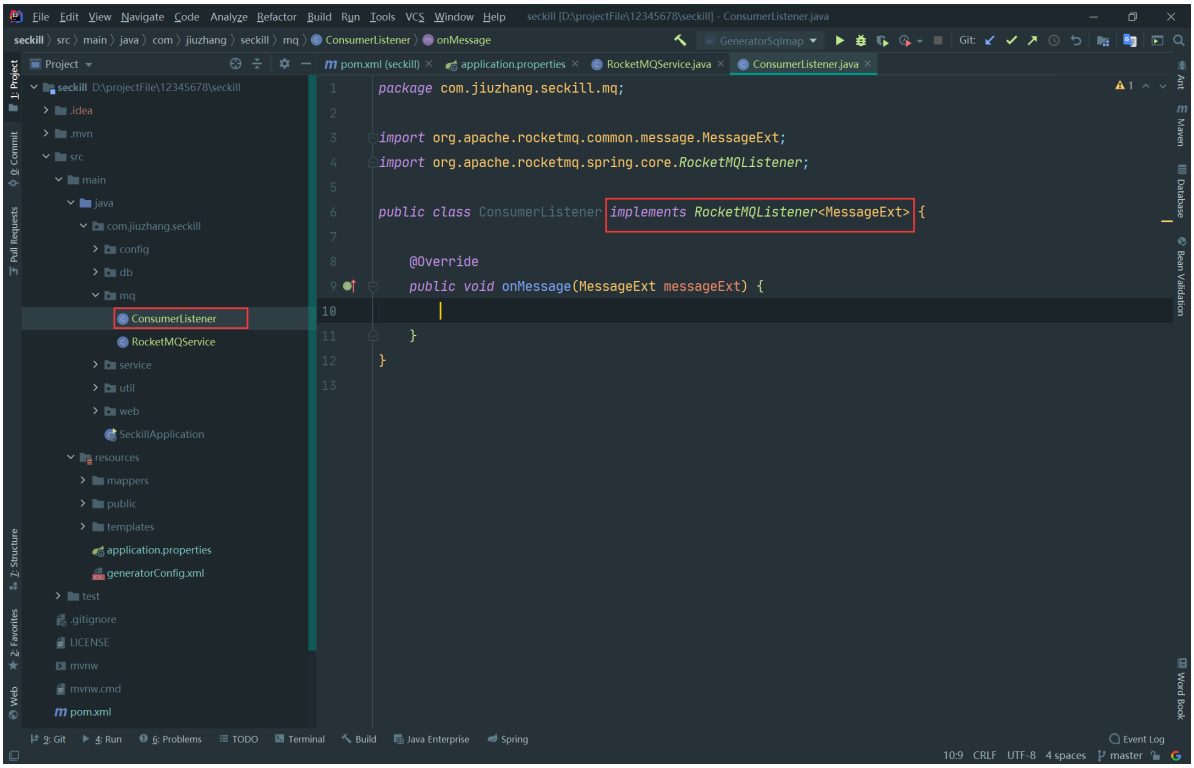
注意：Message 的包有很多种，大家用 rocketmq 的 Message



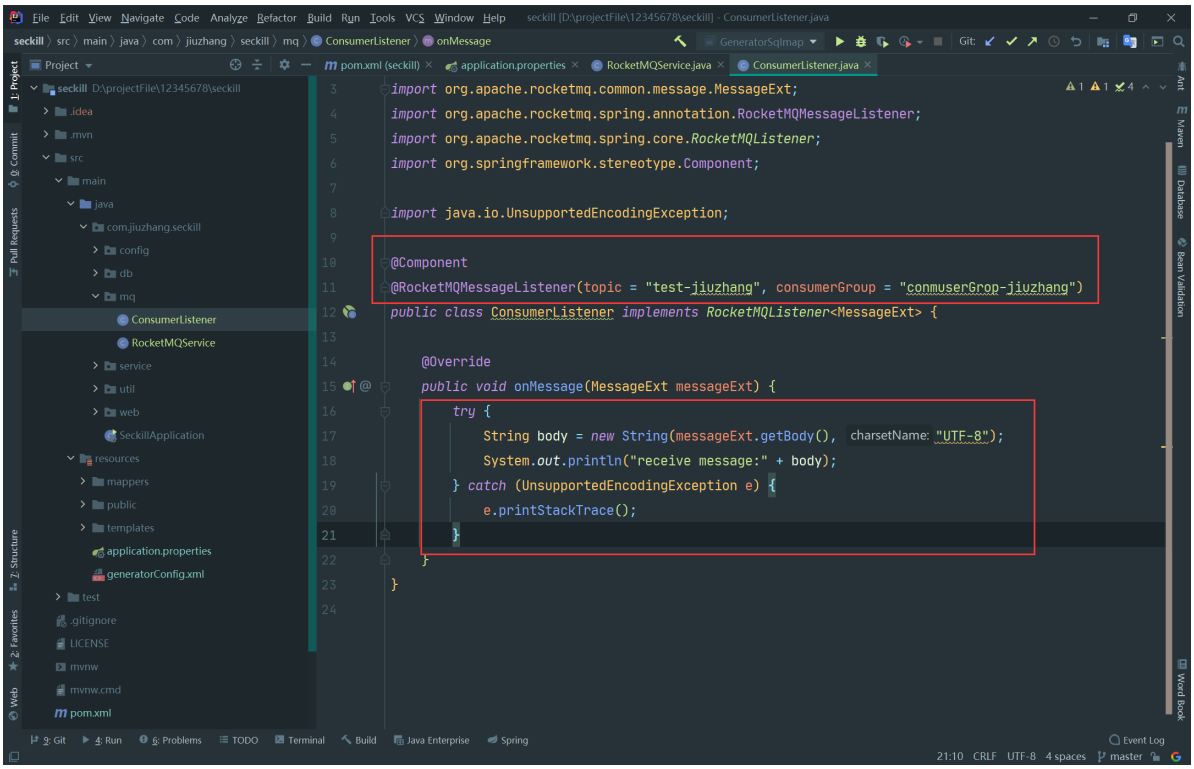

```
package com.jiuzhang.seckill.mq;

import org.apache.rocketmq.common.message.Message;
import org.apache.rocketmq.spring.core.RocketMQTemplate;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

@Service
public class RocketMQService {
```

```
    @Autowired
    private RocketMQTemplate rocketMQTemplate;

    /**
     *  发送消息
     * @param topic
     * @param body
     * @throws Exception
     */
    public void sendMessage(String topic,String body) throws Exception{
        Message message = new Message(topic,body.getBytes());
        rocketMQTemplate.getProducer().send(message);
    }

    /**
     * 发送延时消息
     *
     * @param topic
     * @param body
     * @param delayTimeLevel
     * @throws Exception
     */
    public void sendDelayMessage(String topic, String body, int delayTimeLevel)
throws Exception {
        Message message = new Message(topic, body.getBytes());
        message.setDelayTimeLevel(delayTimeLevel);
        rocketMQTemplate.getProducer().send(message);
    }
}
```

12. 创建 ConsumerListener 消费者类 & 实现 RocketMQListener 接口

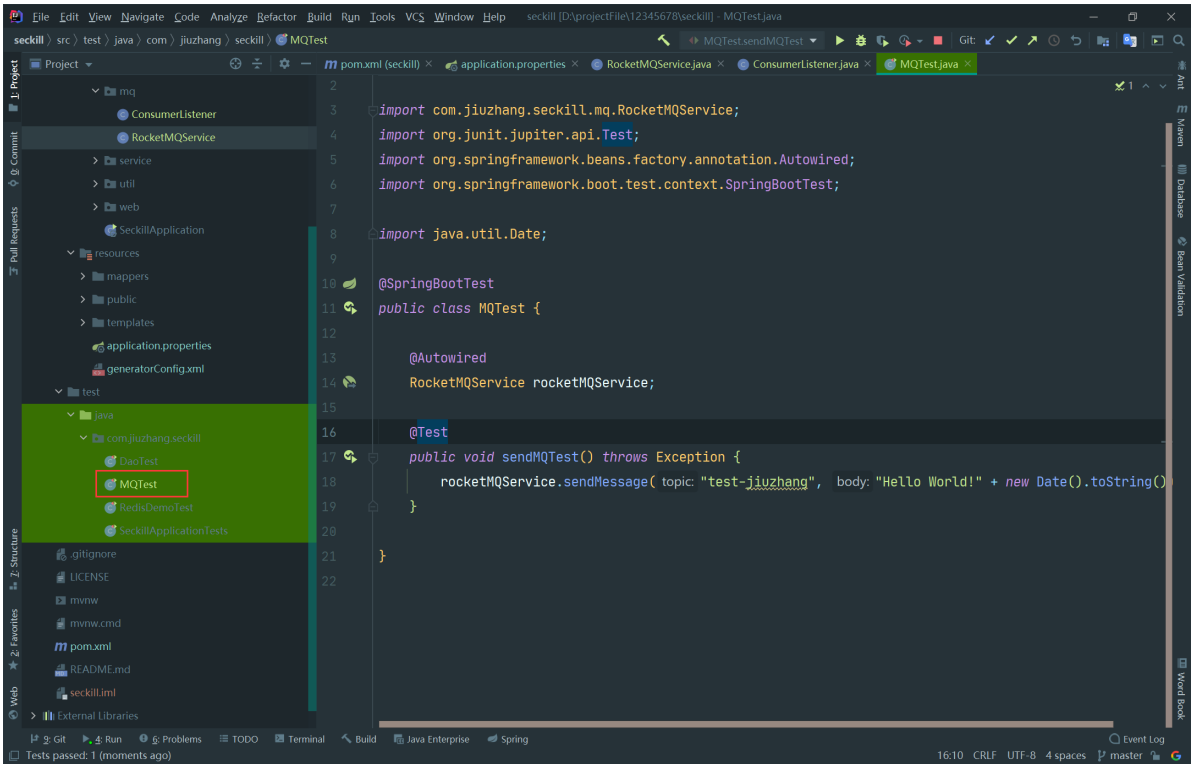


13. 添加Component，RocketMQMessageListener 注解 & 编写 onMessage 方法




```
@Component
@RocketMQMessageListener(topic = "test-jiuzhang", consumerGroup = "conmuserGrop-
jiuzhang")
public class ConsumerListener implements RocketMQListener<MessageExt> {
    @Override
    public void onMessage(MessageExt messageExt) {
        try {
            String body = new String(messageExt.getBody(), "UTF-8");
            System.out.println("receive message:" + body);
        } catch (UnsupportedEncodingException e) {
            e.printStackTrace();
        }
    }
}
```

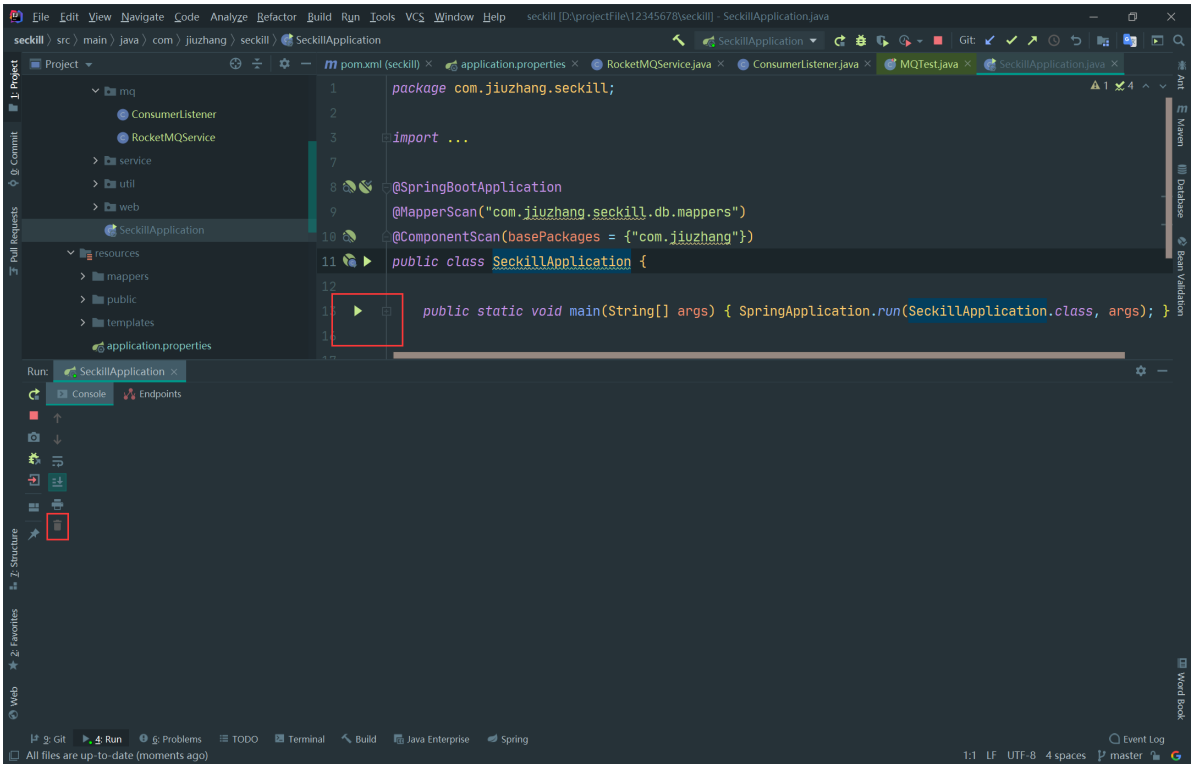
14. 编写 test 类，测试 MQ 发送消息和接收消息




```
@SpringBootTest
public class MQTest {

    @Autowired
    RocketMQService rocketMQService;

    @Test
    public void sendMQTest() throws Exception {
        rocketMQService.sendMessage("test-jiuzhang", "Hello World!" + new
Date().toString());
    }

}
```

15. 启动项目，清空控制台的日志输出

注意： 需要先启动 Redis 和 RocketMQ



16. 运行 test 方法， 检查控制台输出日志