数据库期末大作业

1. 建表

userTable:存储用户信息

productTable：存储商品信息

orders：存储订单信息

supplier：存储供应商信息

productSort：存储商品分类信息

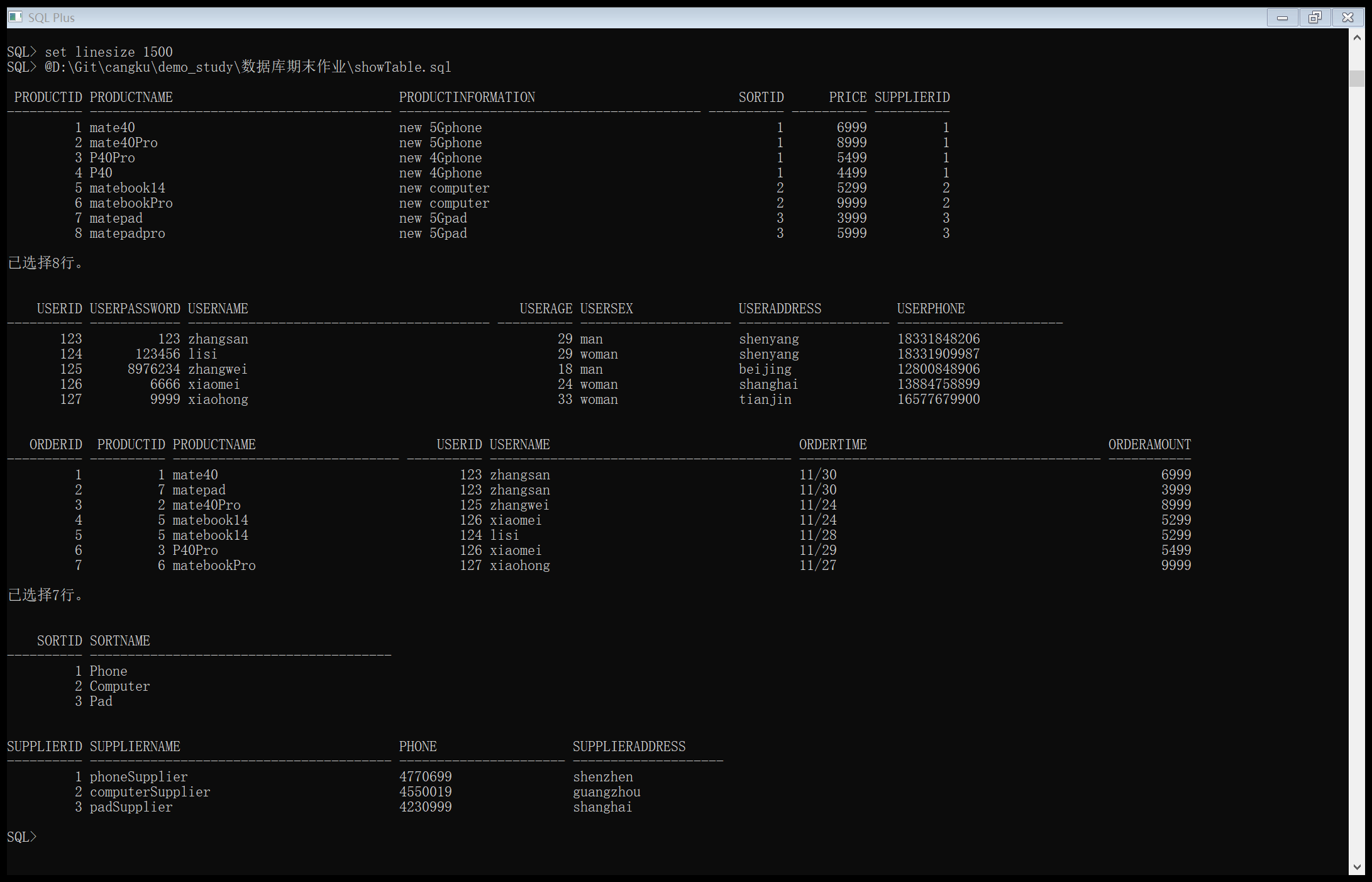
数据库表分析



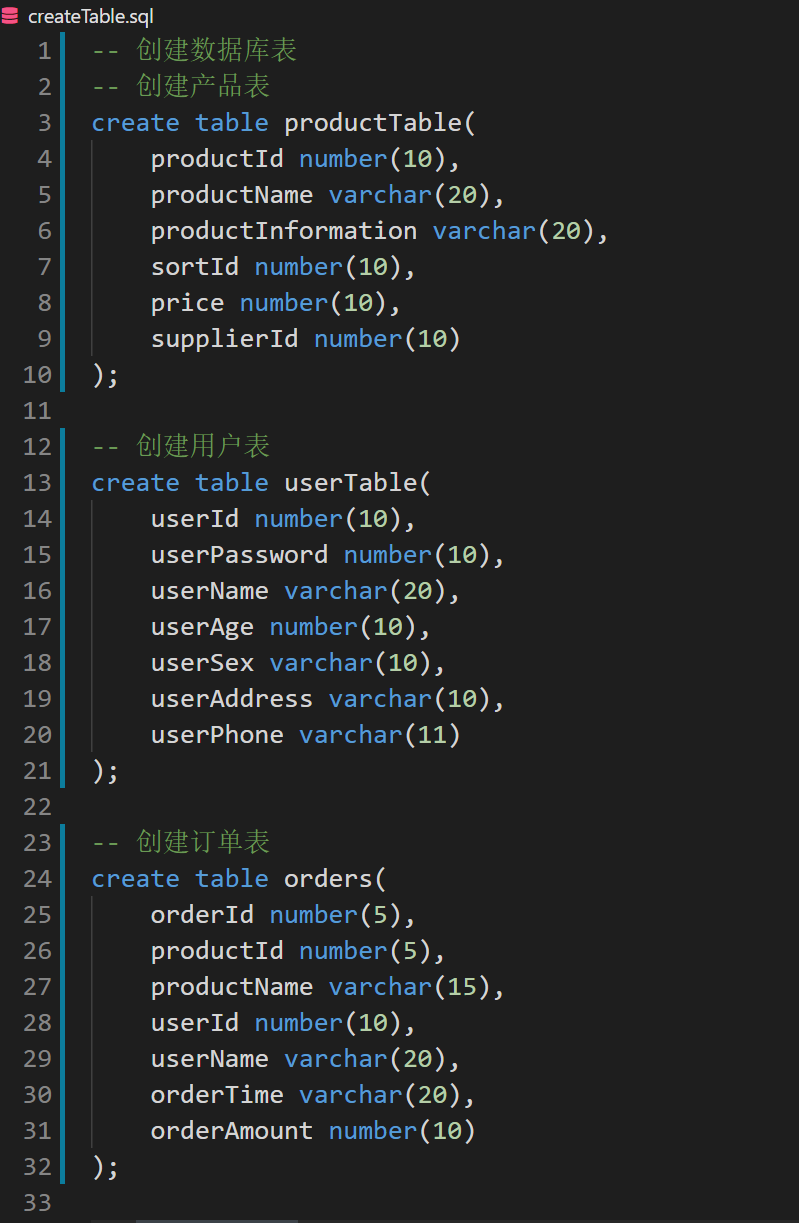
E-R图

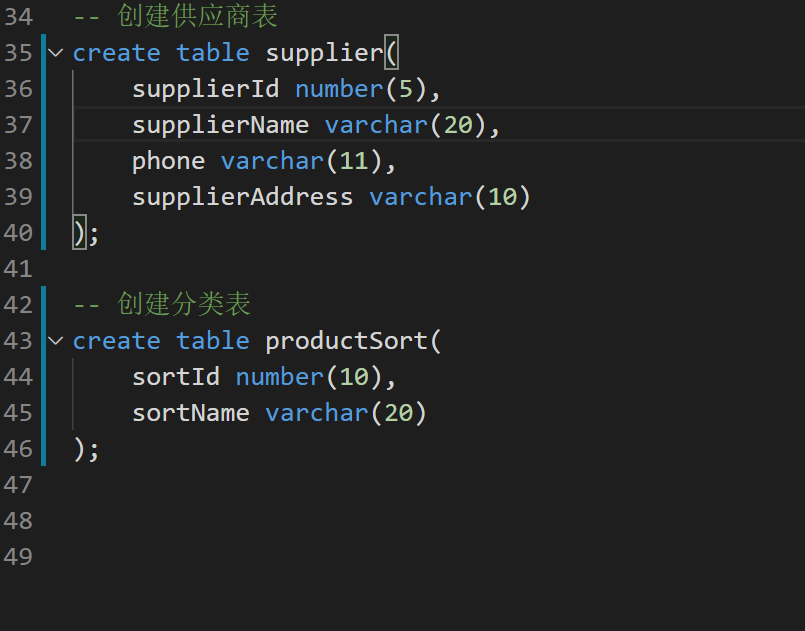


建表效果：

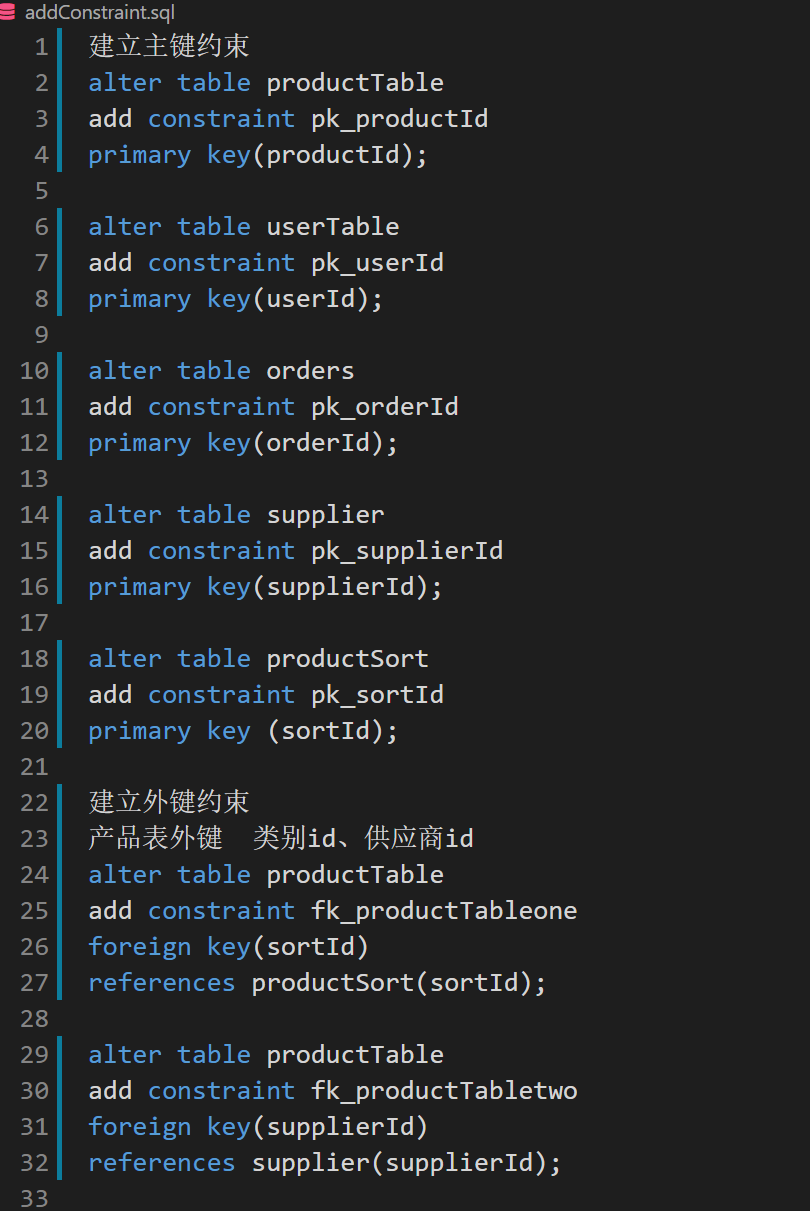


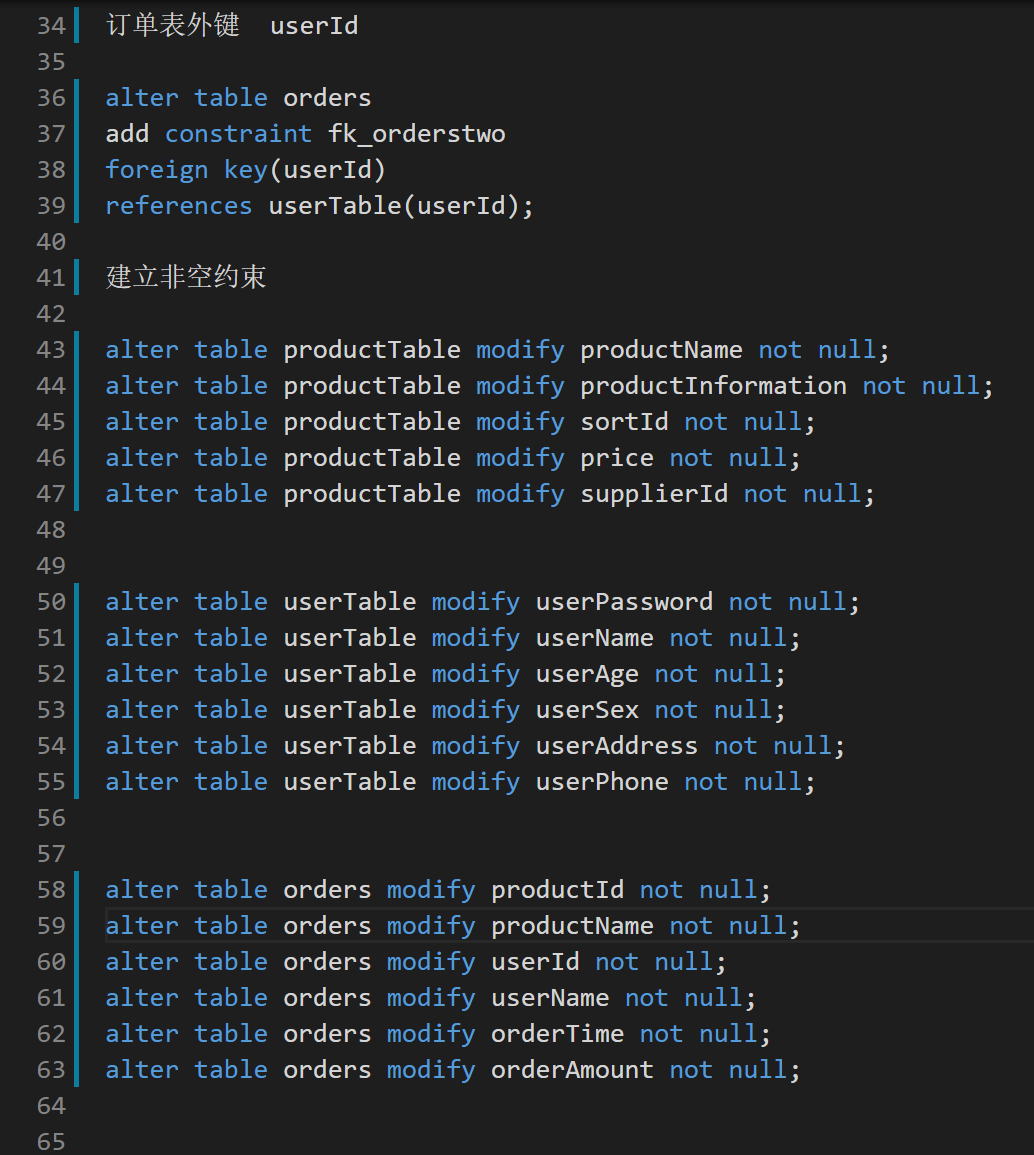
具体代码：

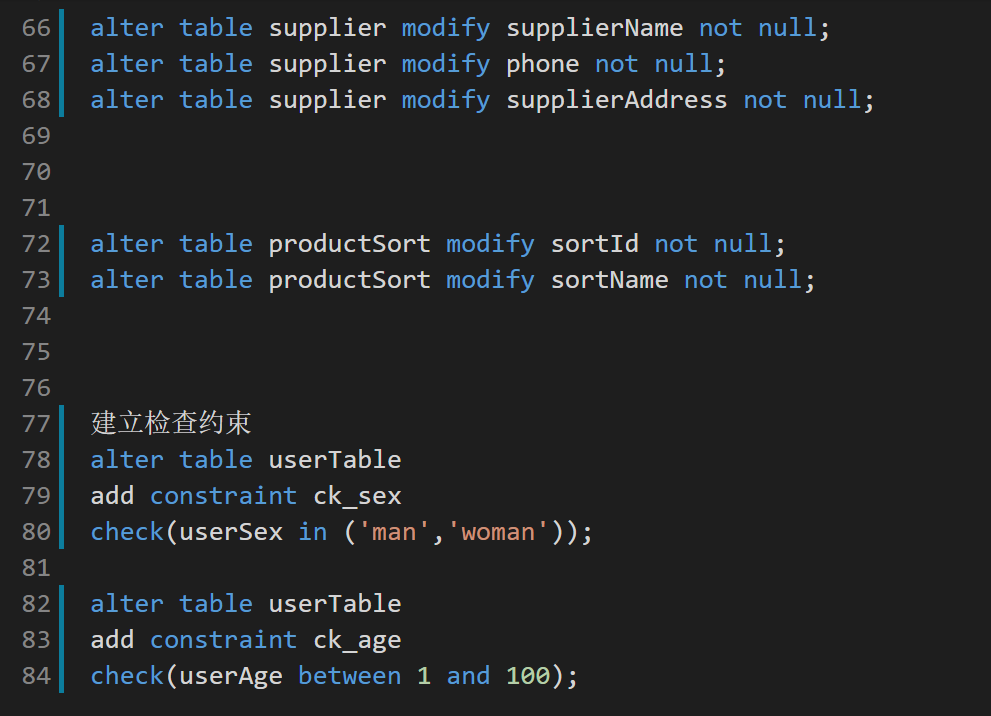




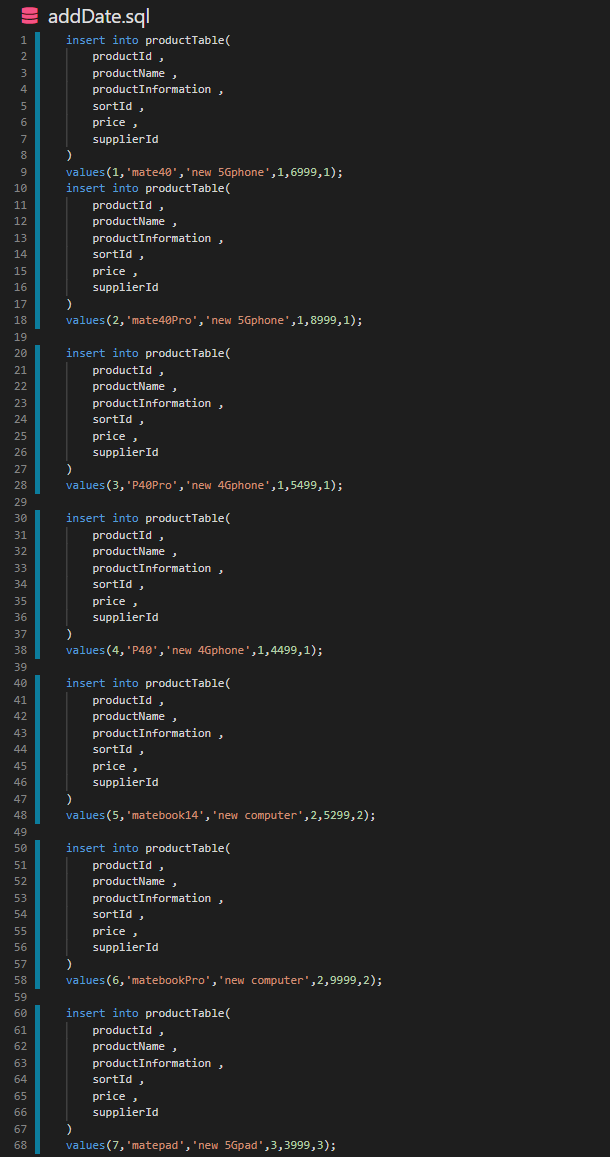
建立主键约束、非空约束、外键约束、检查约束

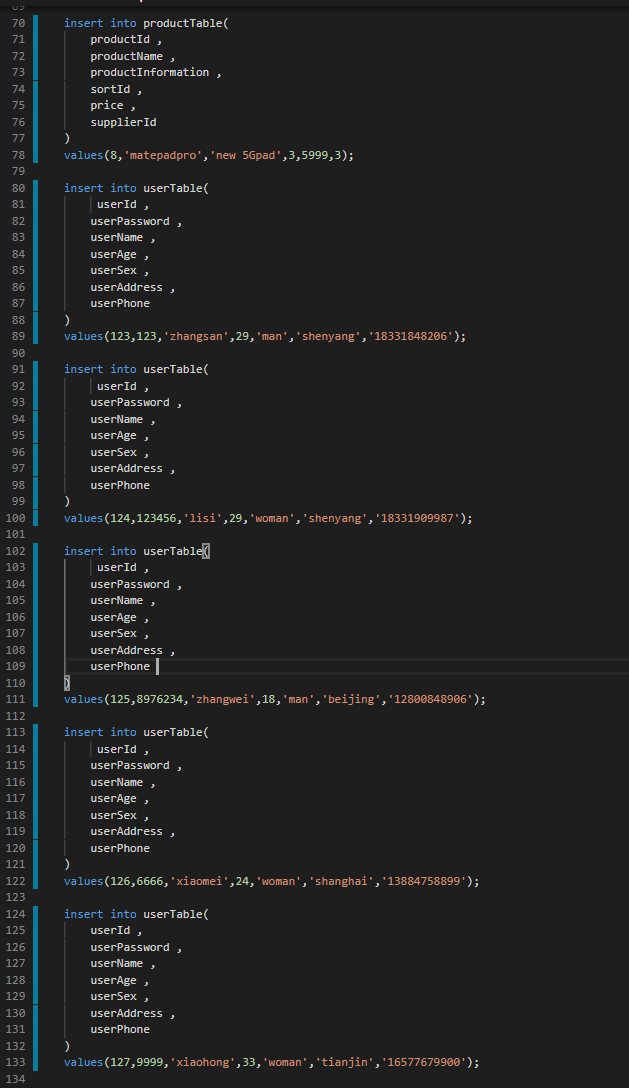


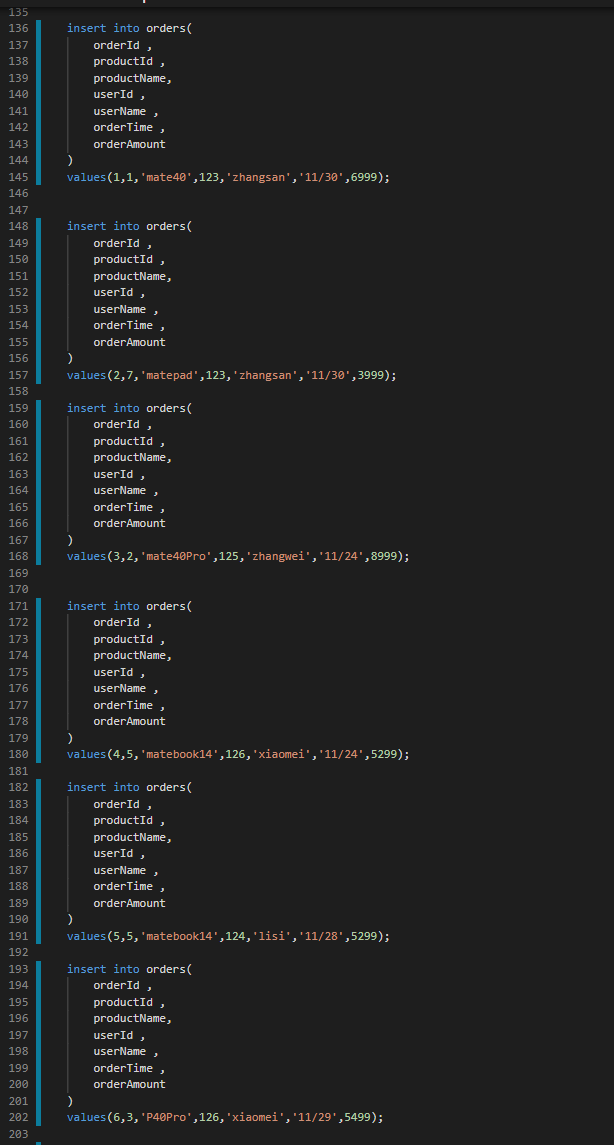


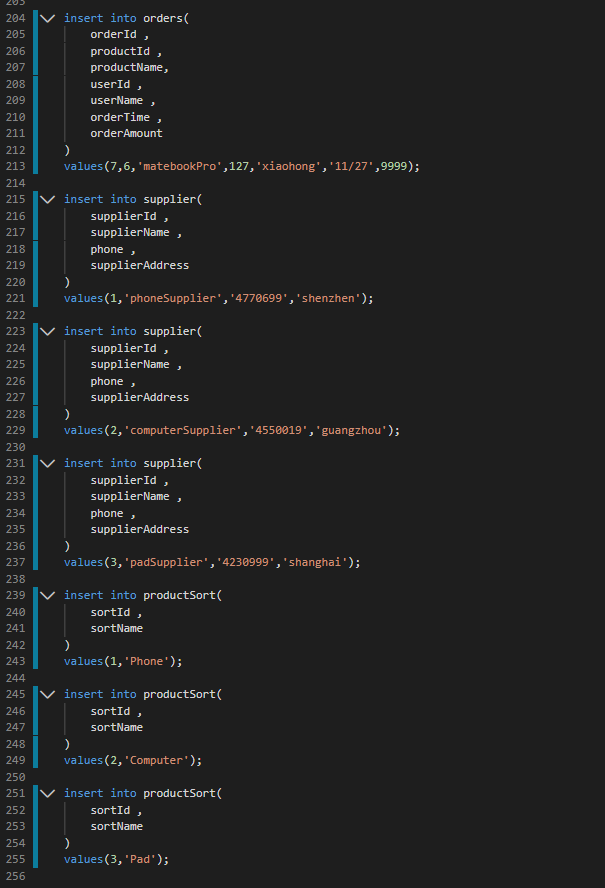


向表中加入数据



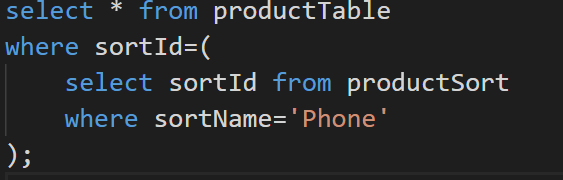


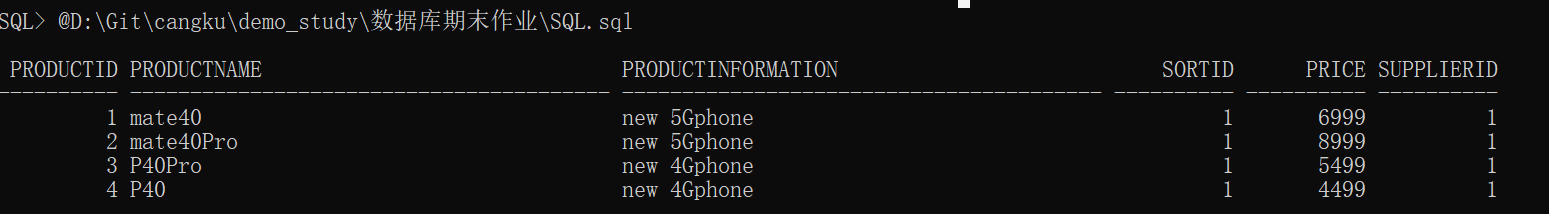




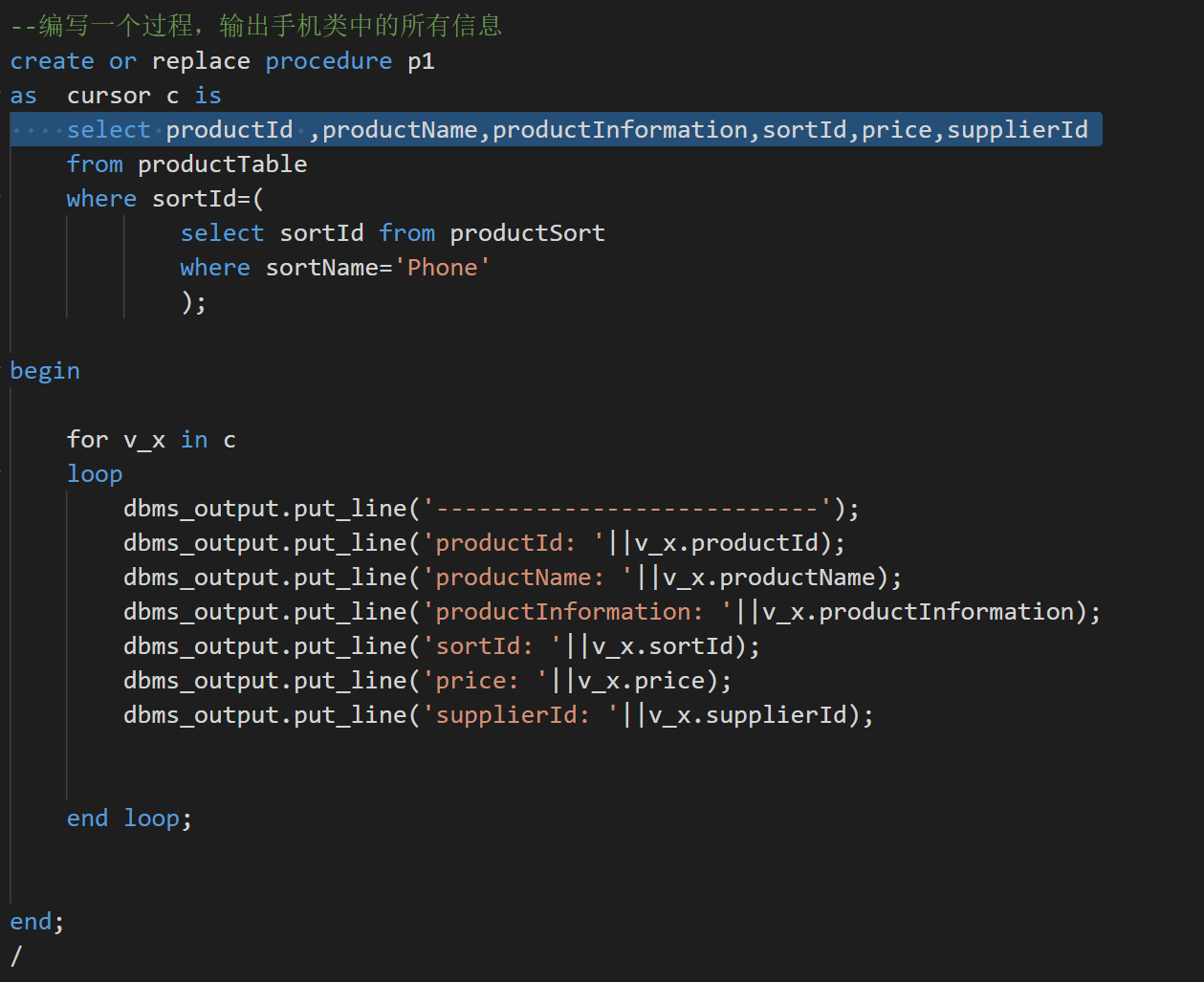
二、SQL语句、PLSQL、过程、函数：

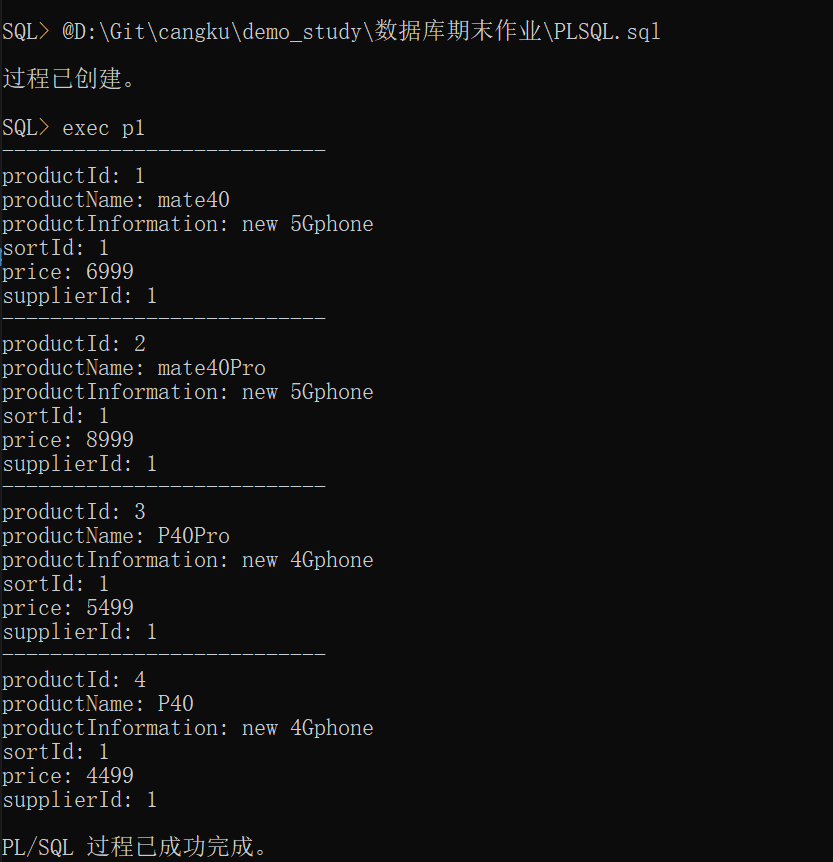
1 找出所有phone类里的商品的所有信息



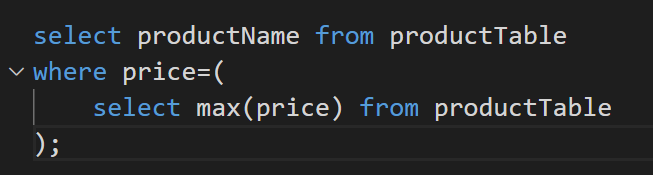


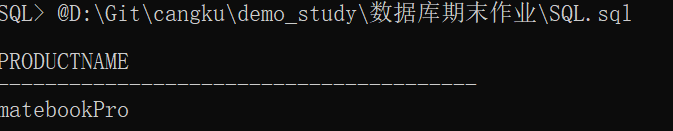
建立一个过程找出，所有手机类中的所有信息



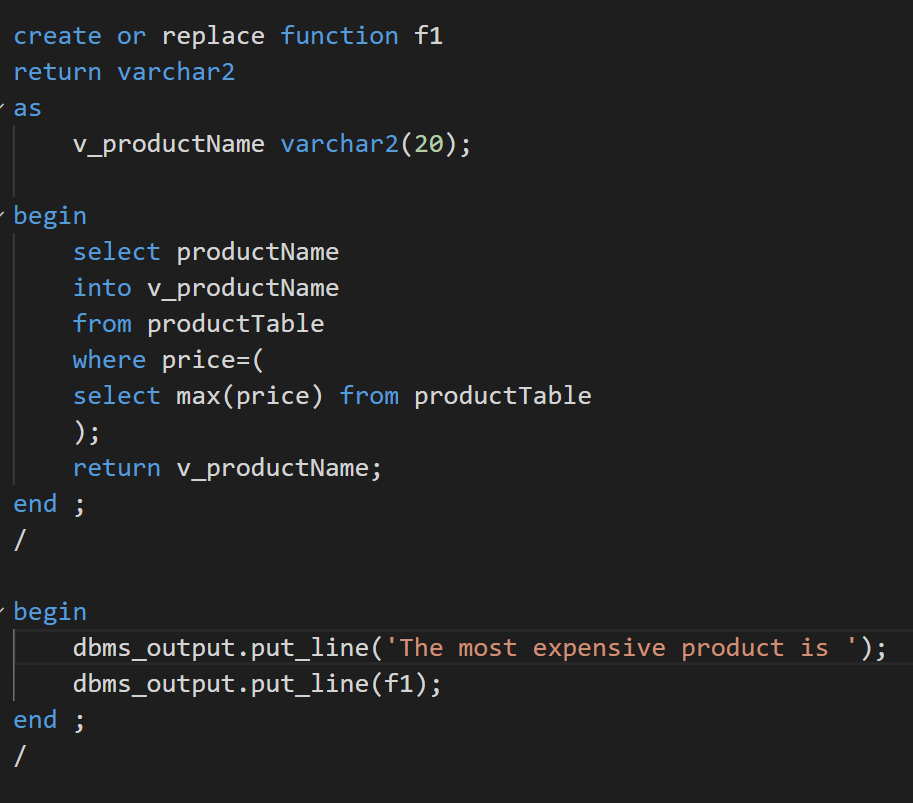


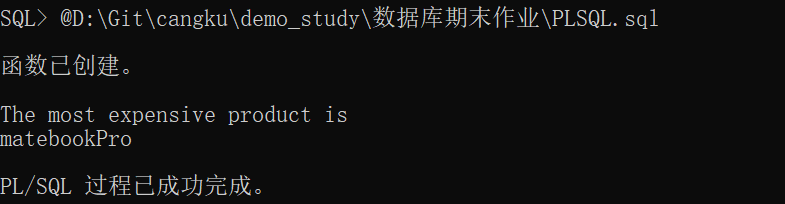
2找到价格最高的商品的名称



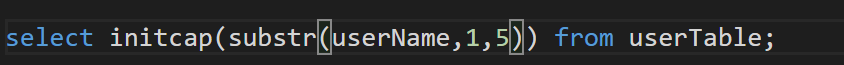


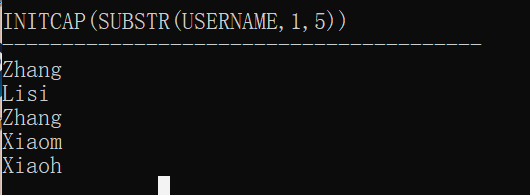
创建一个函数来找出价格最高的商品名称



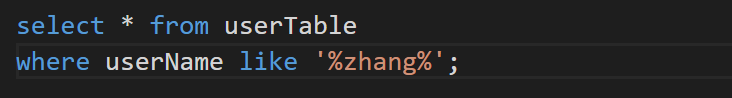


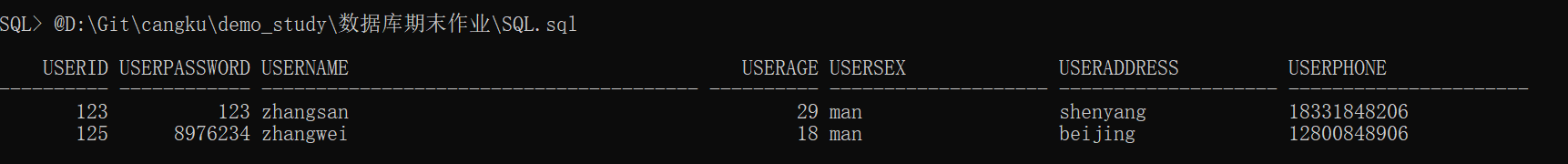
3用首字母大写的方式显示所有用户姓名的前五个字母



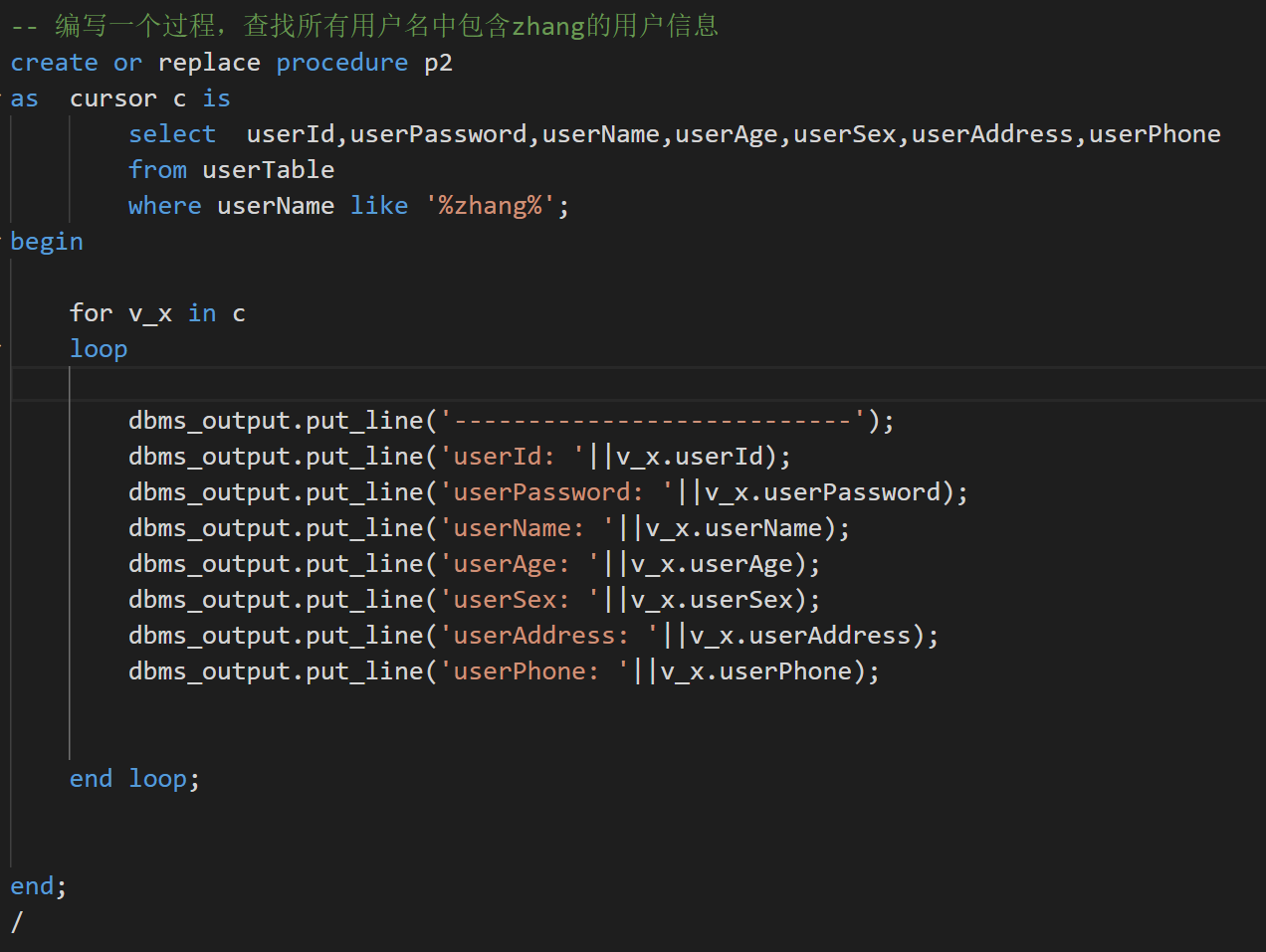


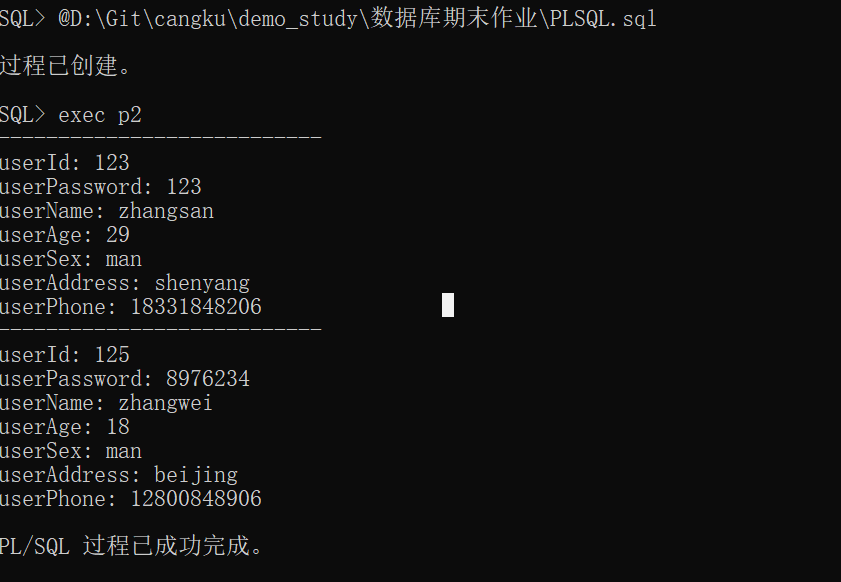
4显示所有姓名中包含zhang的用户的所有信息



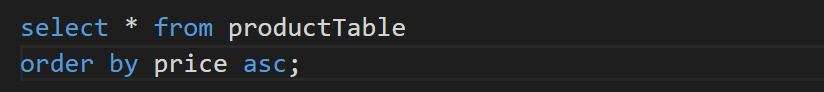


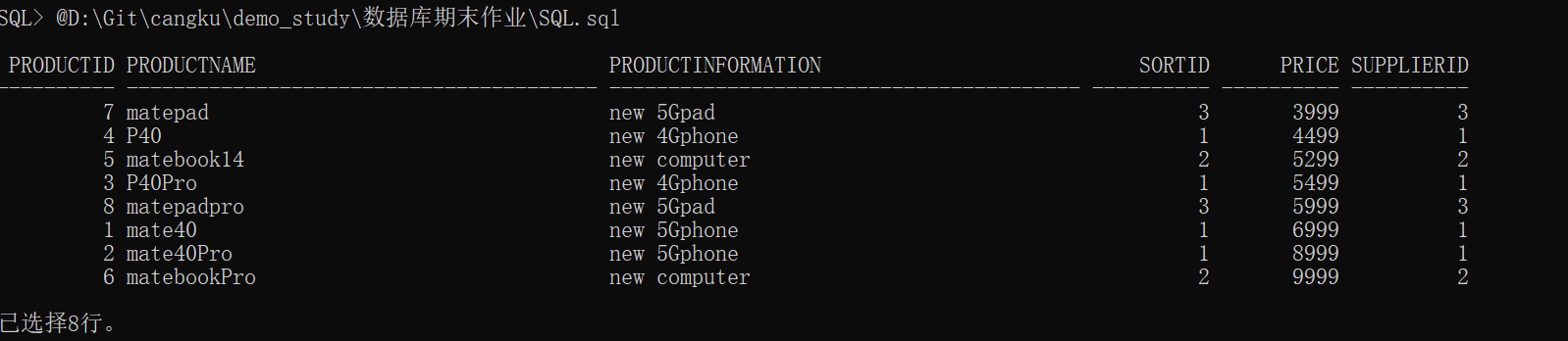
创建一个过程查找包含zhang的用户的所有信息



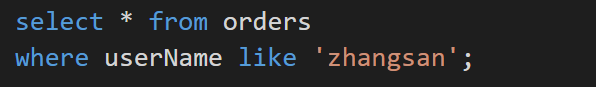


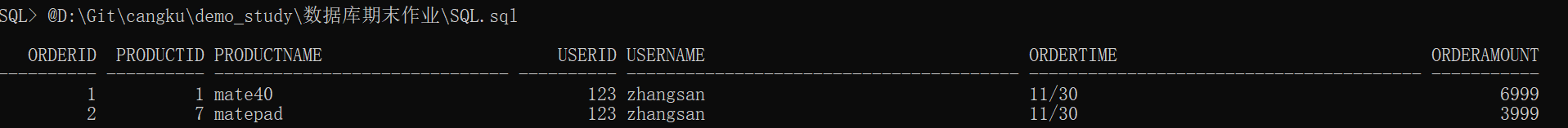
6查询商品的信息，按照价格由低到高排序

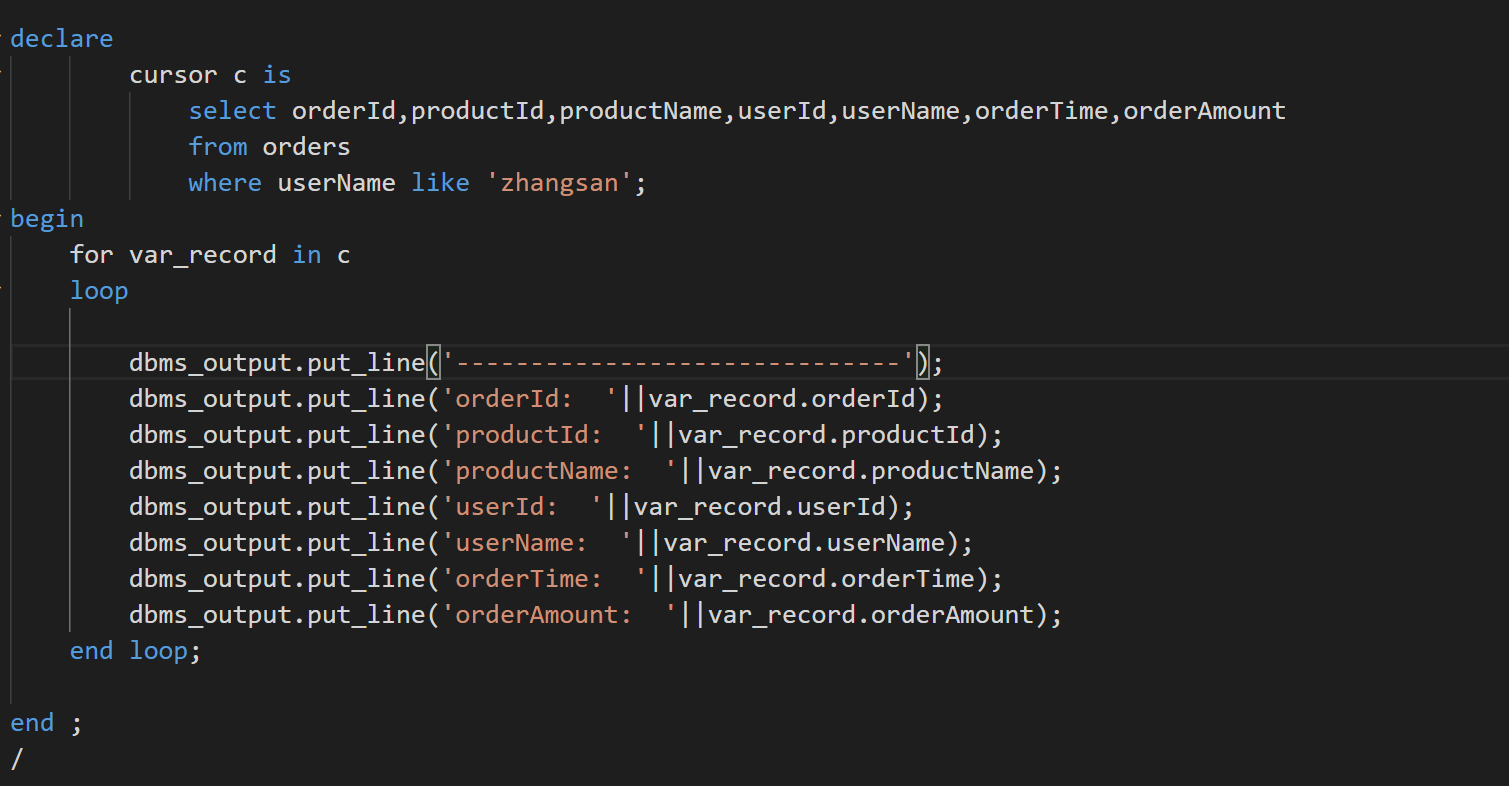


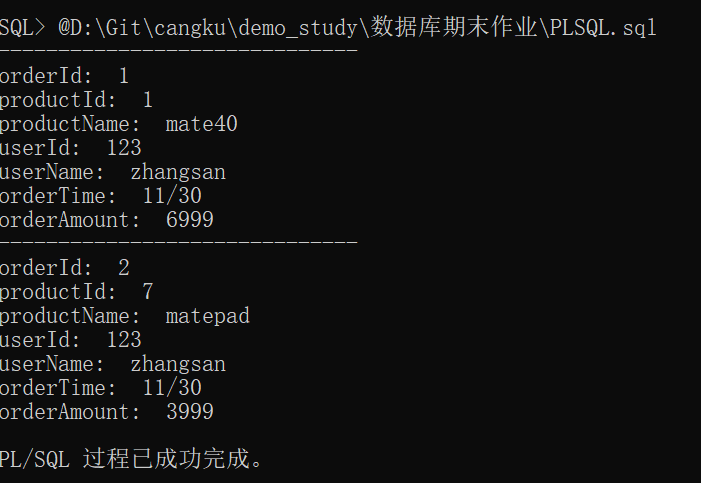


7查询张三所有的订单信息

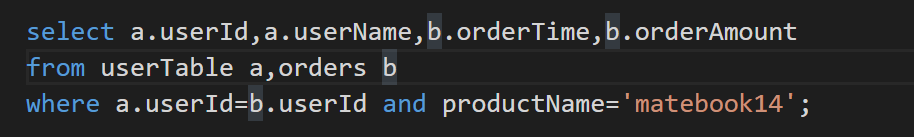


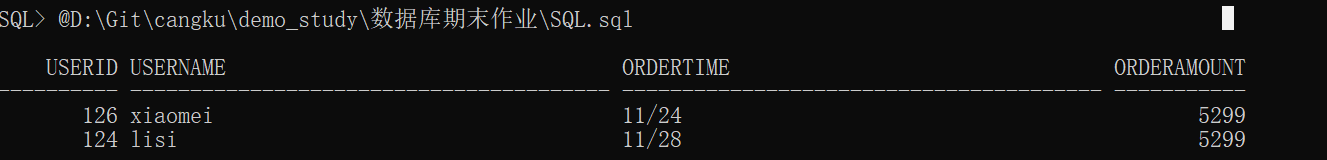


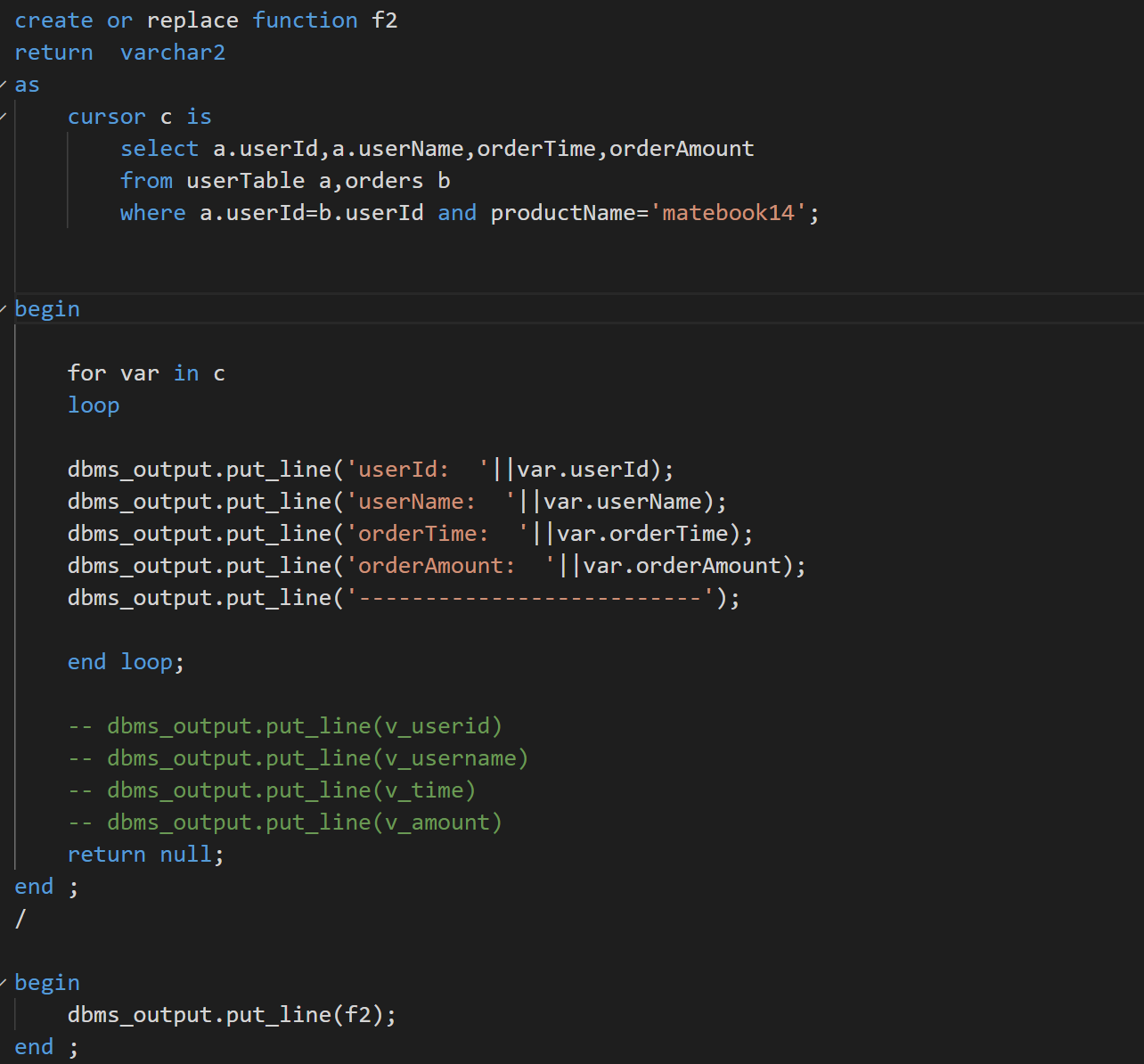




8查询买到matebook14的用户id、用户姓名、订单时间、订单金额

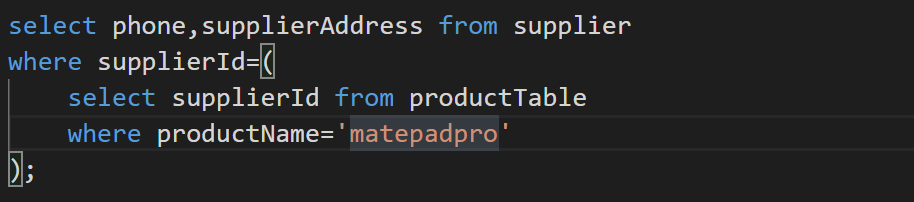


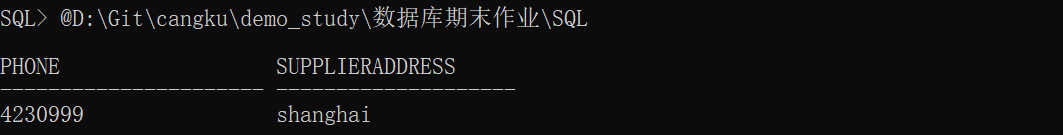


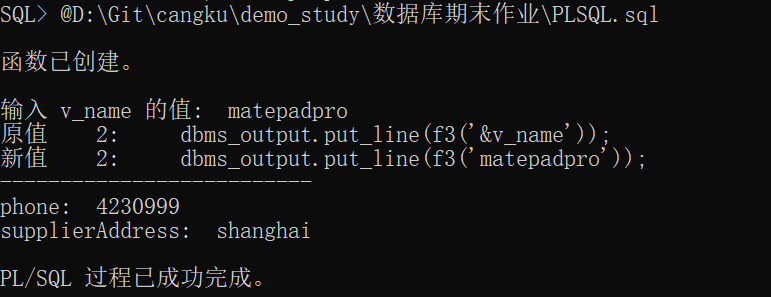
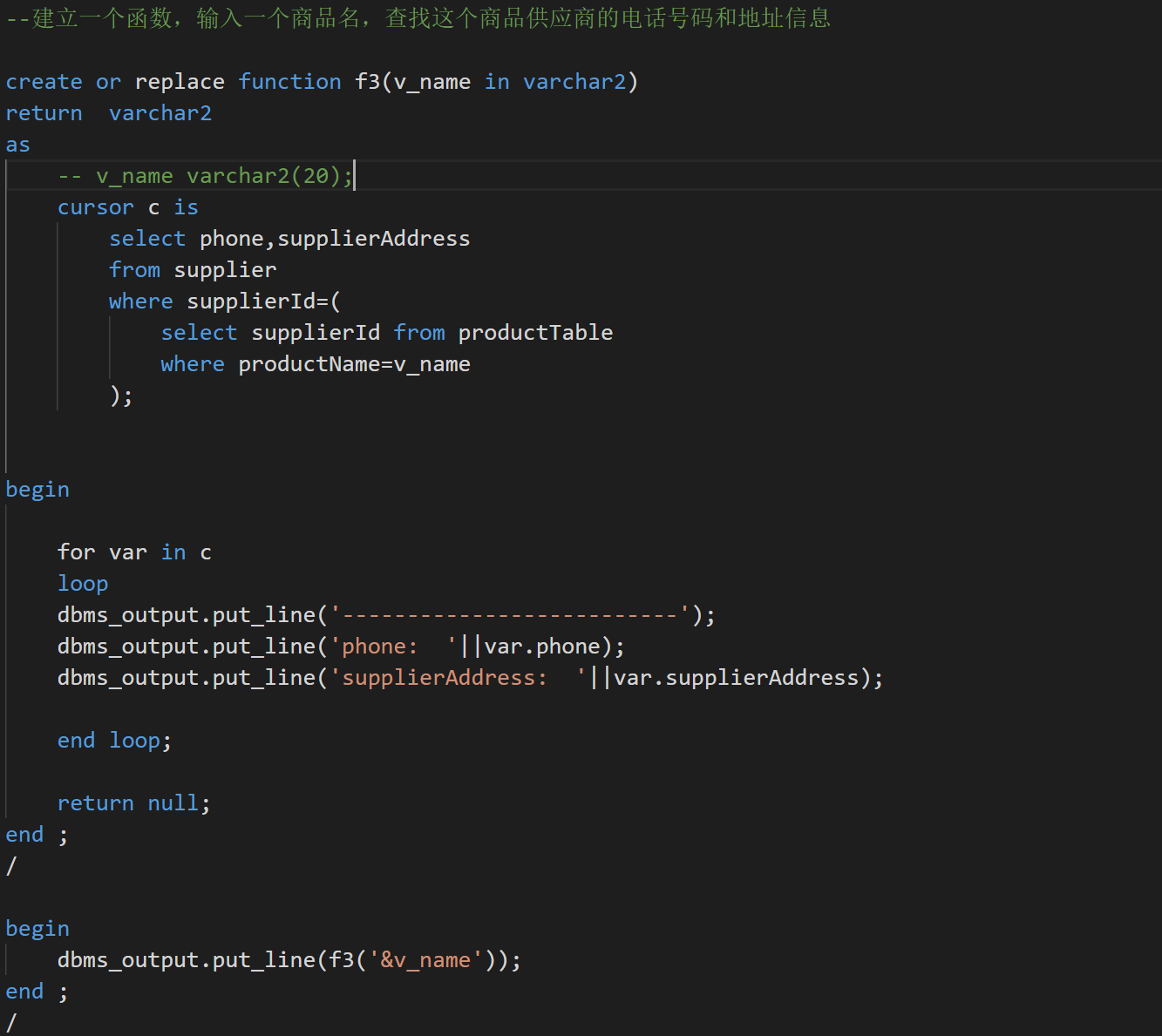




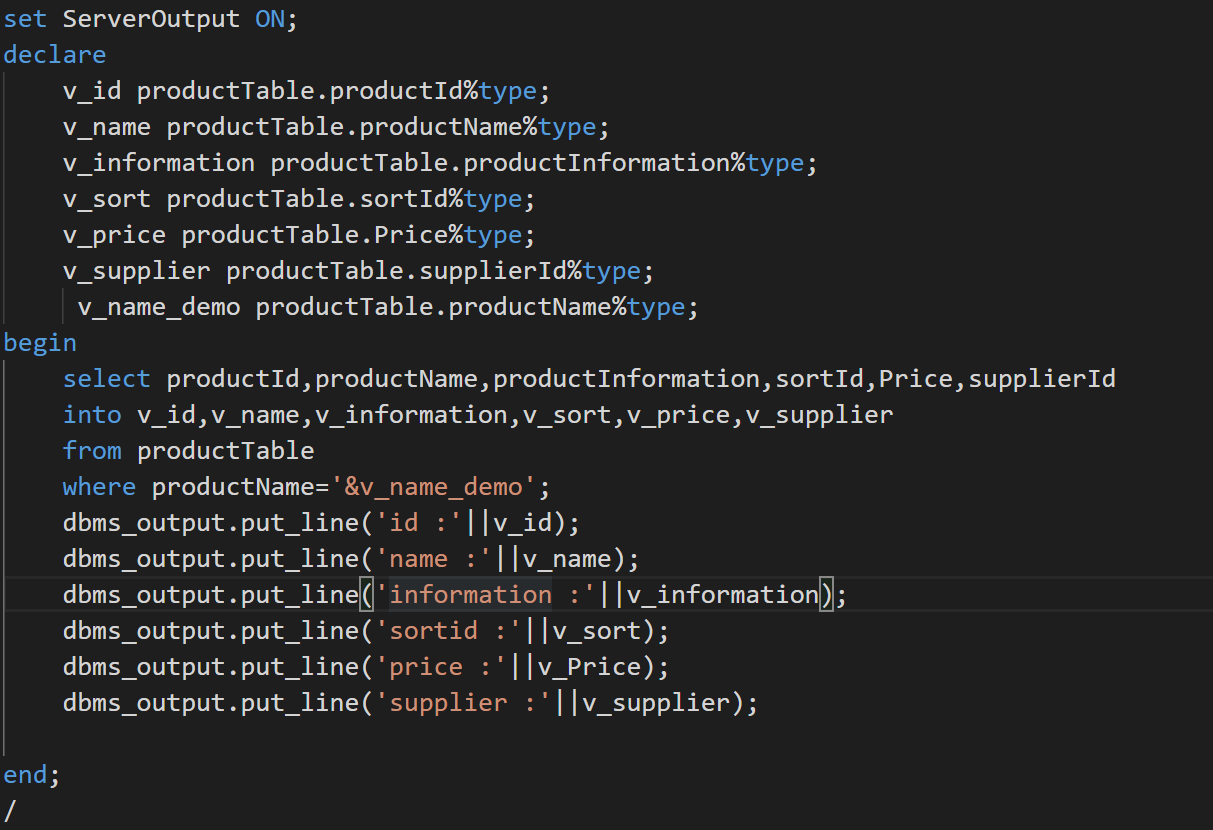
9查找matepadpro供应商的电话号码、地址

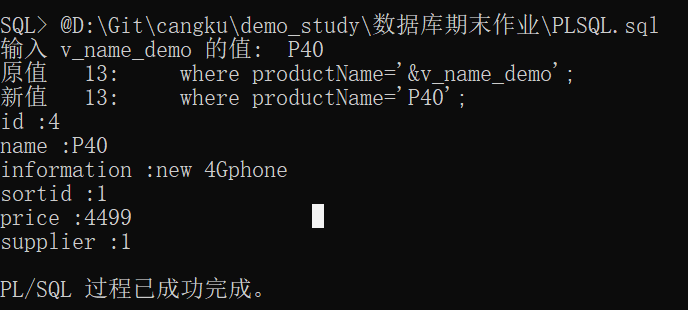




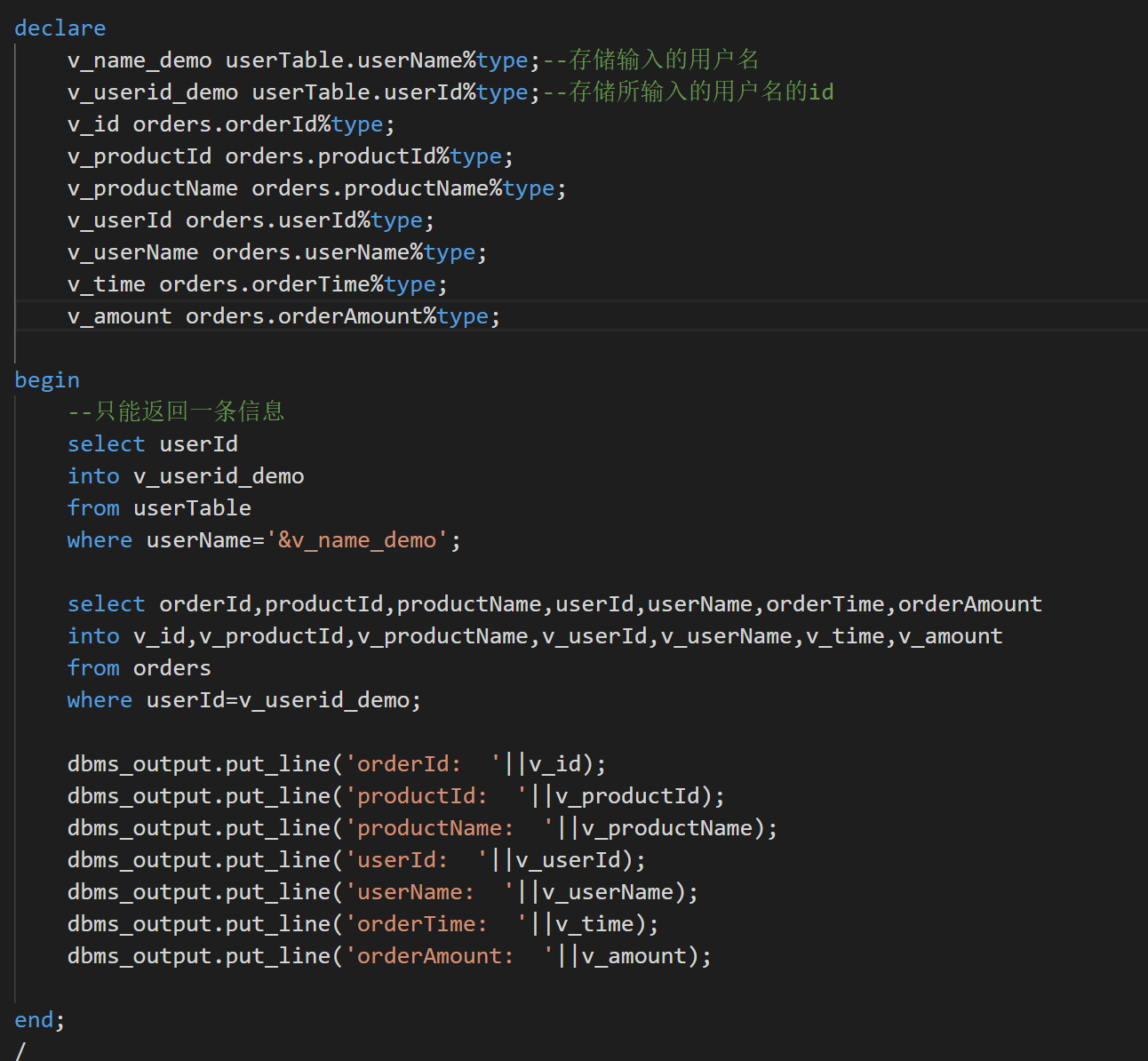


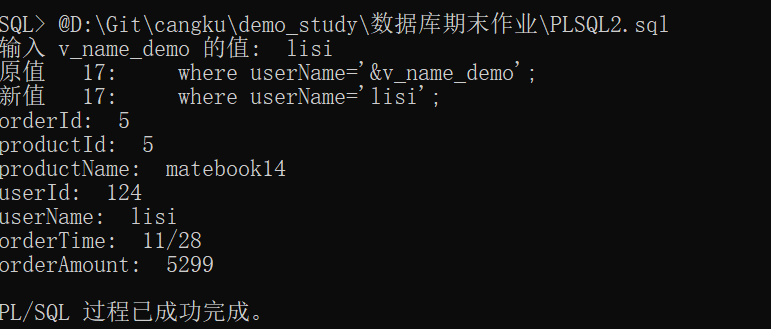
输入一个商品名，查询这个商品的所有信息



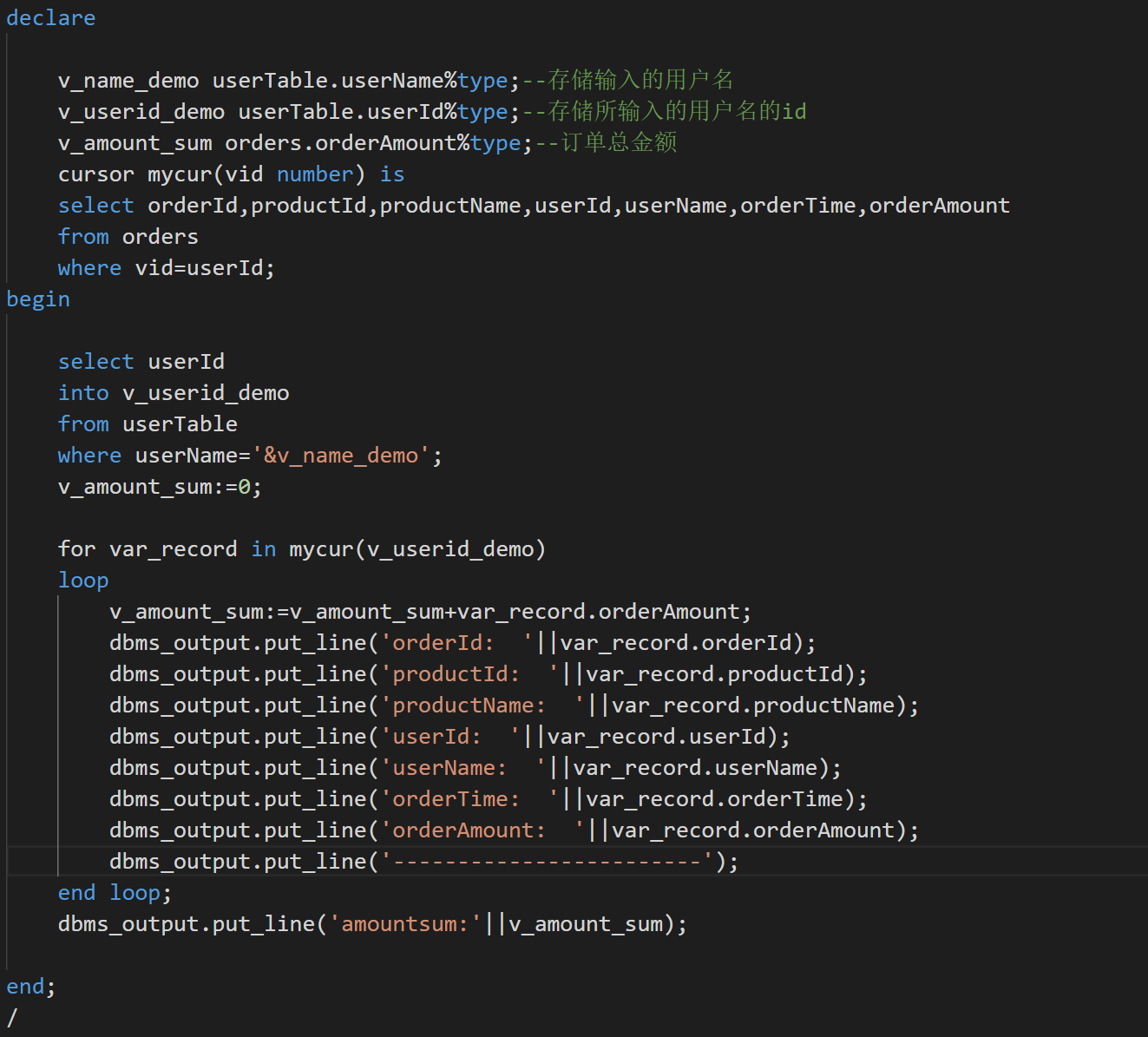


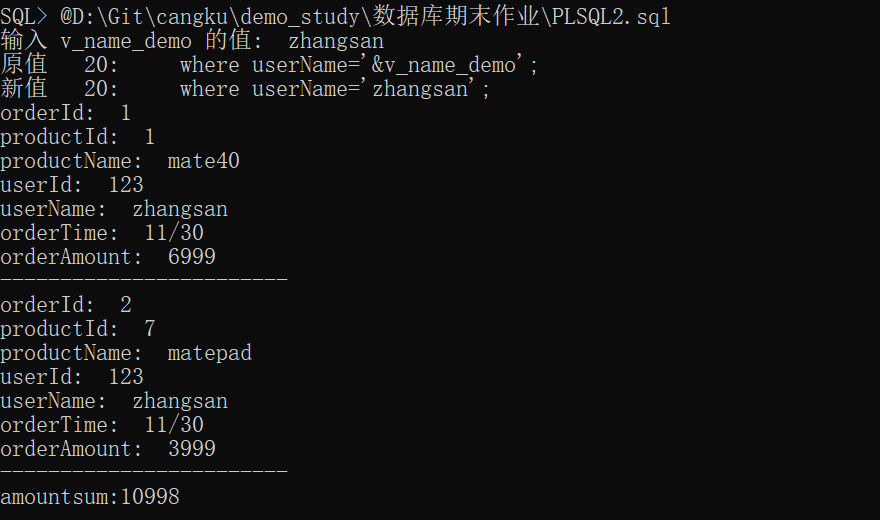
输入一个用户名，查看他的所有订单信息，并计算他所有订单的金额之和



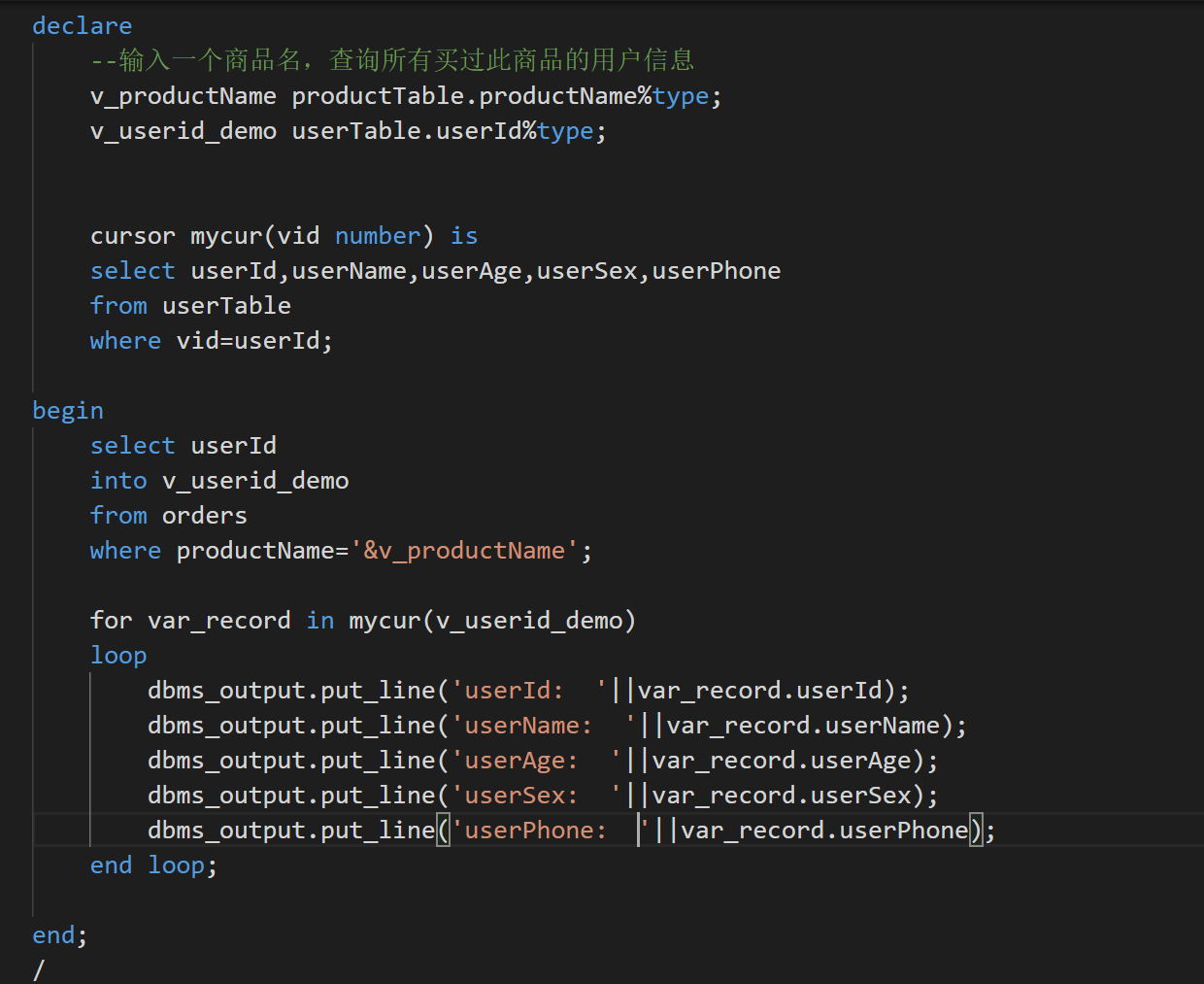


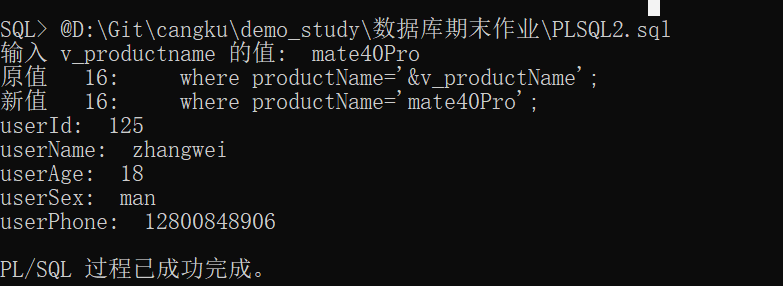
改进





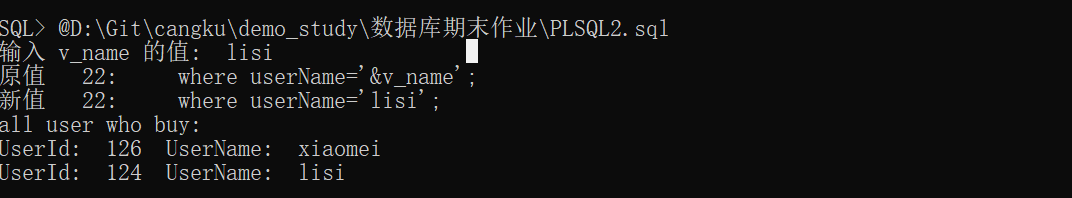
输入一个商品名，查询所有购买过这个商品的用户信息





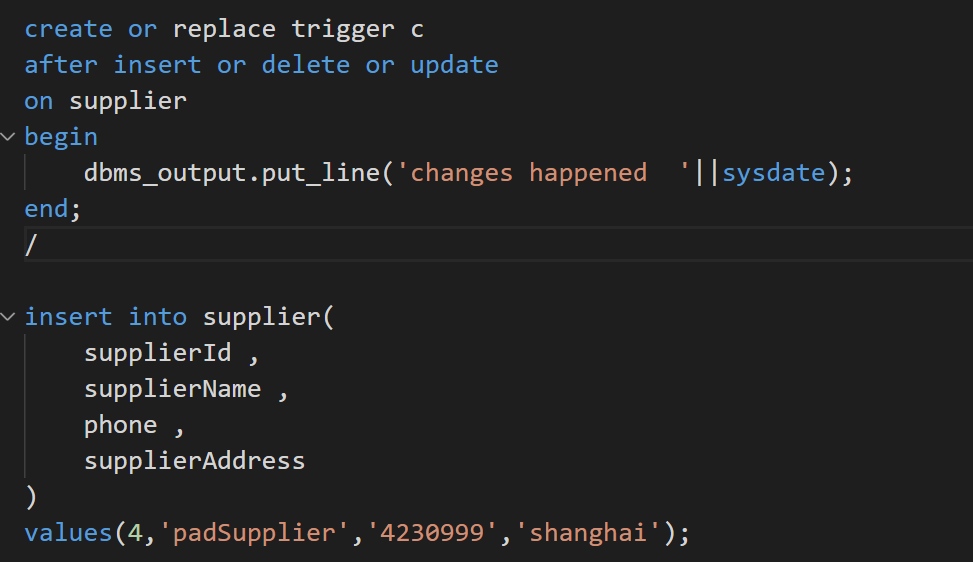
输入一个用户名，找到和他买相同产品的所有用户id和姓名

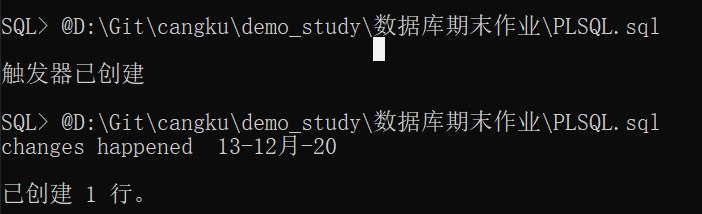




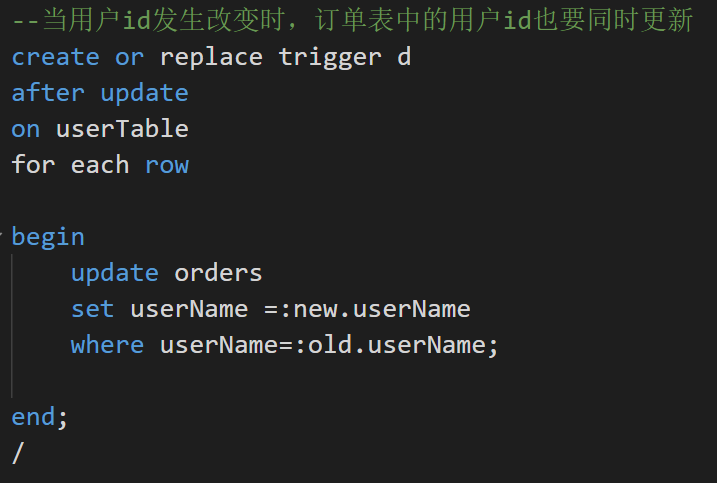
三、创建触发器、视图、序列

对supllier表添加触发器，当发生删除、修改、添加操作时输出警告信息

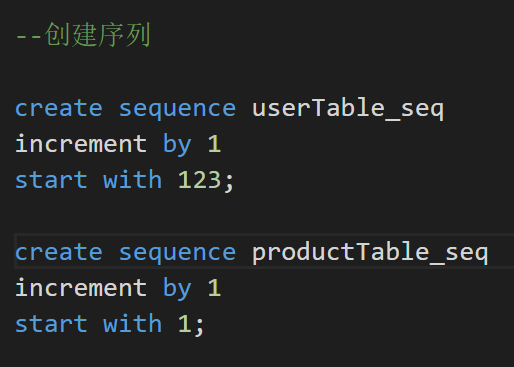




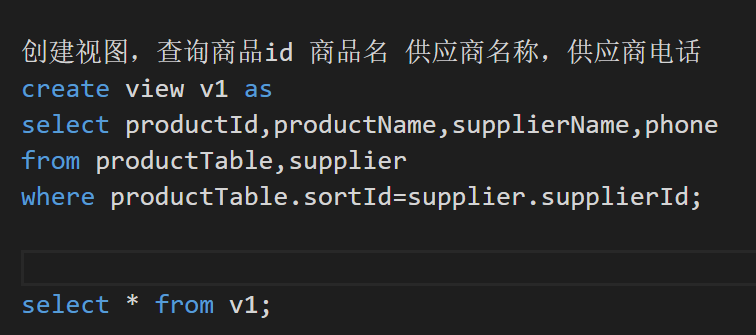
对usertable表添加触发器，当用户姓名发生改变时，订单中的用户名同步更新

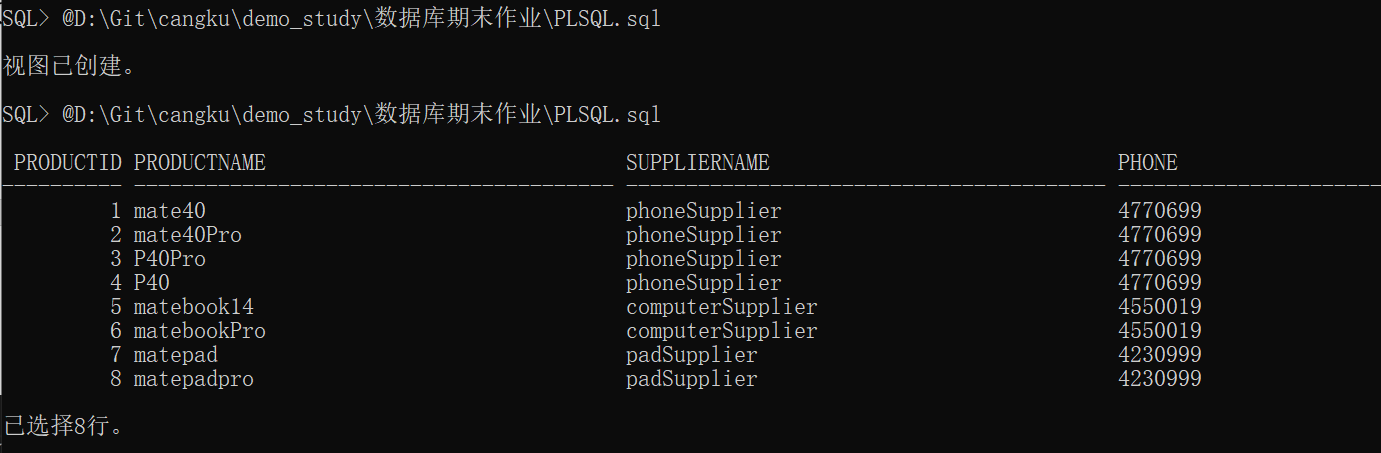


为userTable表和productTable表创建序列



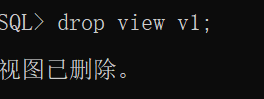
建立视图



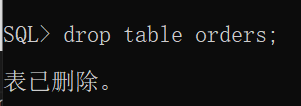


四、删除操作

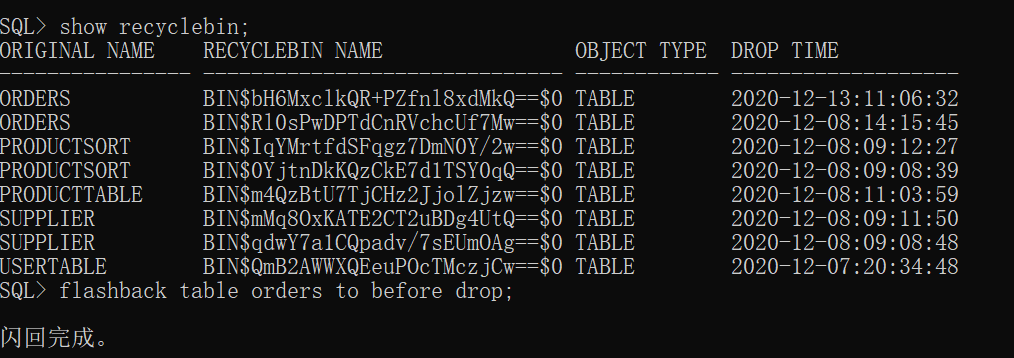
删除视图



删除orders表



查看回收站，利用闪回机制恢复orders表



直接删除orders表和userTable表

