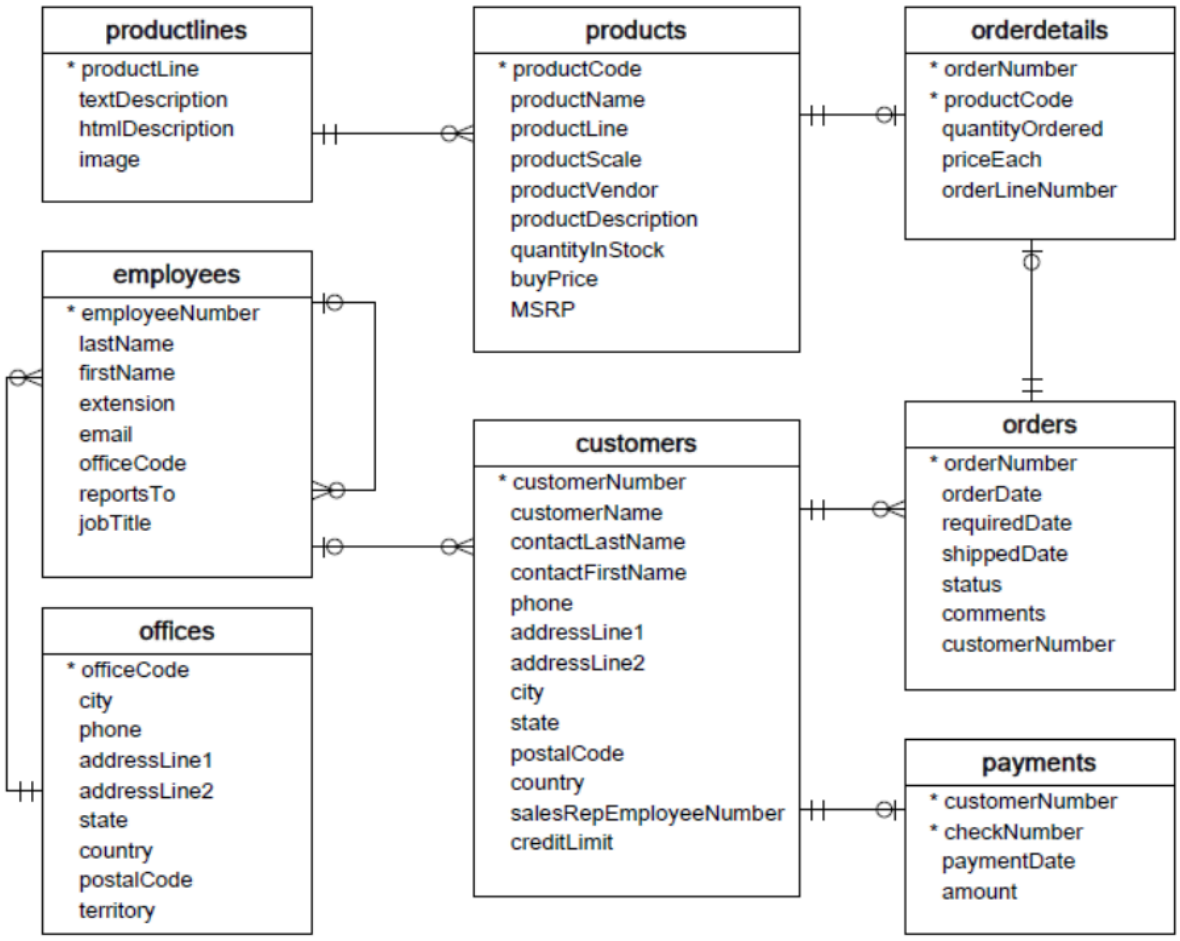
Practice Assignment 304.4.1
Simple Queries

Prerequisites

For this lab, you must have the "**`classicmodels`**" database. If you do not have the **`classicmodels`** database setup, [click here to download the database script file.](#) After downloading, you have to run the **classicmodels.sql** file in SQL.

The database schema is as follows:



Objective

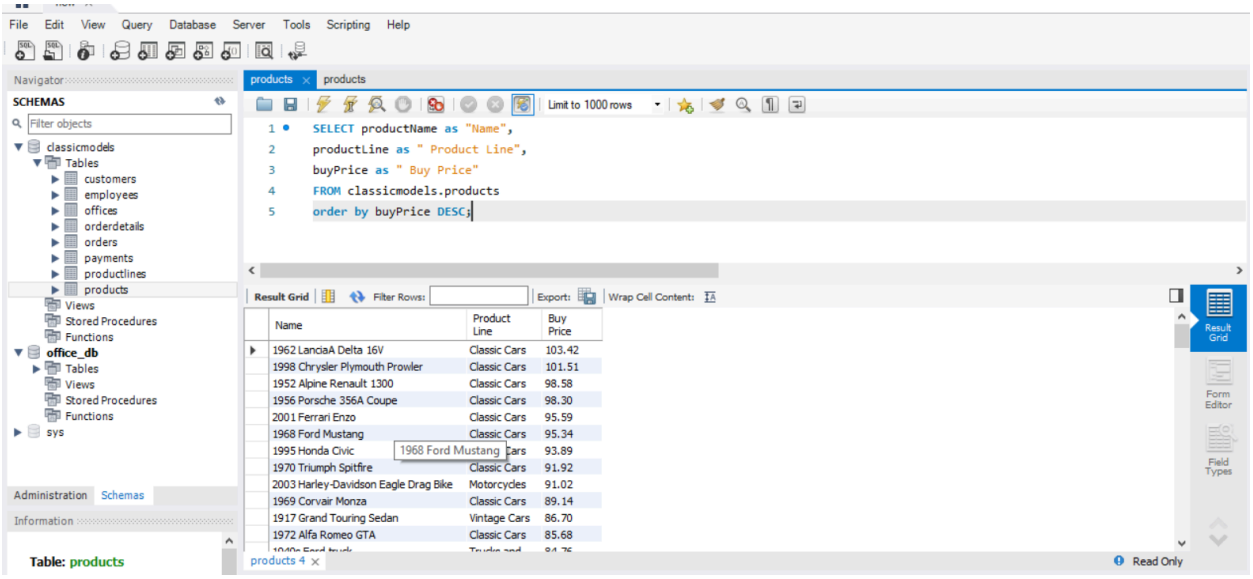
You will be writing SQL queries for this assignment. This assignment tests your understanding of SQL queries and SQL clauses.

Instructions

Write SQL queries to accomplish the following tasks:

1. Display the **name**, **product line**, and **buy price** of all products. The output columns should display as: “Name,” “Product Line,” and “Buy Price.” The output should display the most expensive items first.

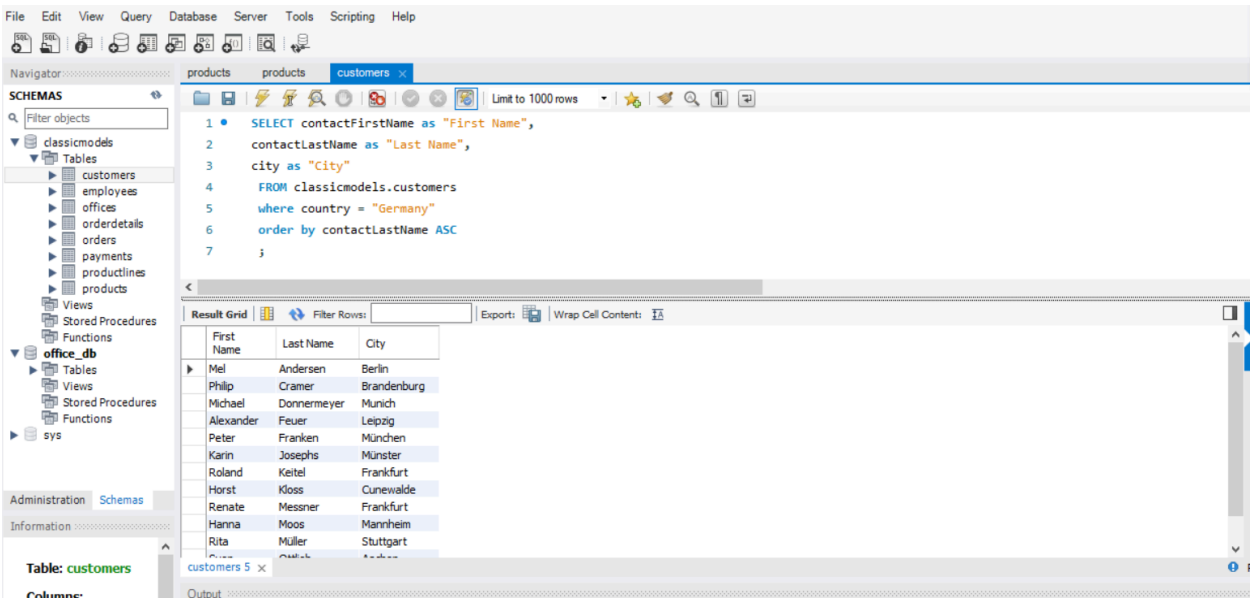
```
SELECT productName as "Name",
productLine as " Product Line",
buyPrice as " Buy Price"
FROM classicmodels.products
order by buyPrice DESC;
```



2. Display the **first name**, **last name**, and **city name** of all customers from Germany. The output columns should display as: “First Name,” “Last Name,” and “City.” The output should be sorted by “Last Name” (ascending).

```
SELECT contactFirstName as "First Name",
contactLastName as "Last Name",
city as "City"
 FROM classicmodels.customers
```

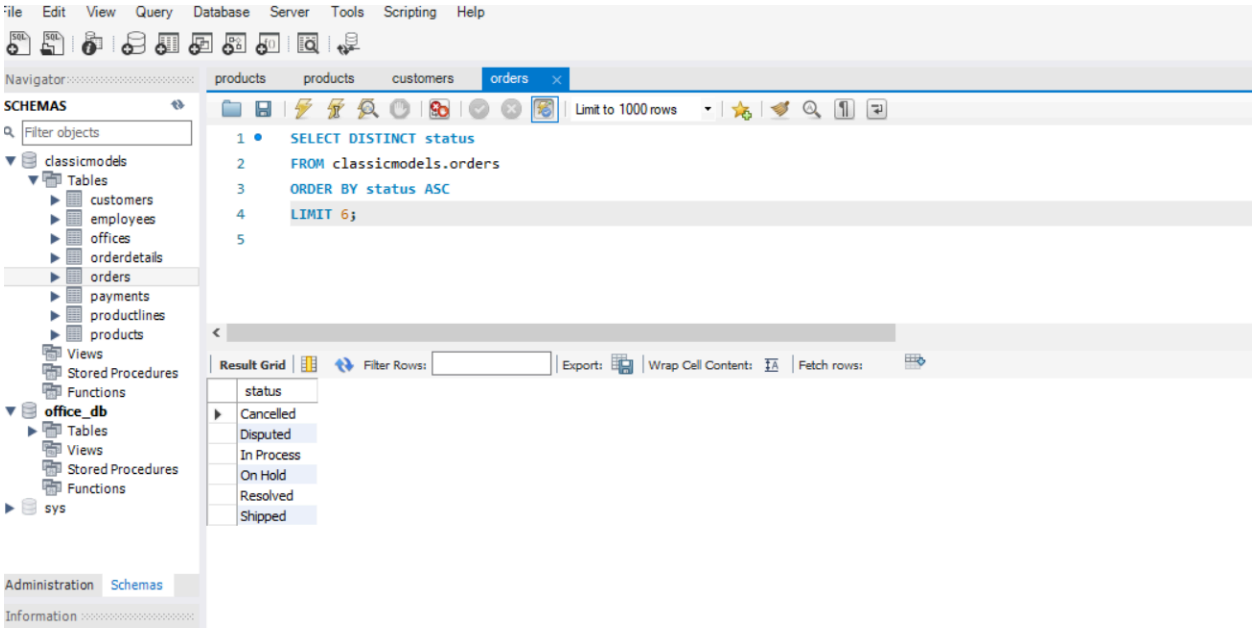
where country = "Germany"
order by contactLastName ASC ;



3. Display **each of the unique values of the status field** in the orders table. The output should be sorted alphabetically, ascending.

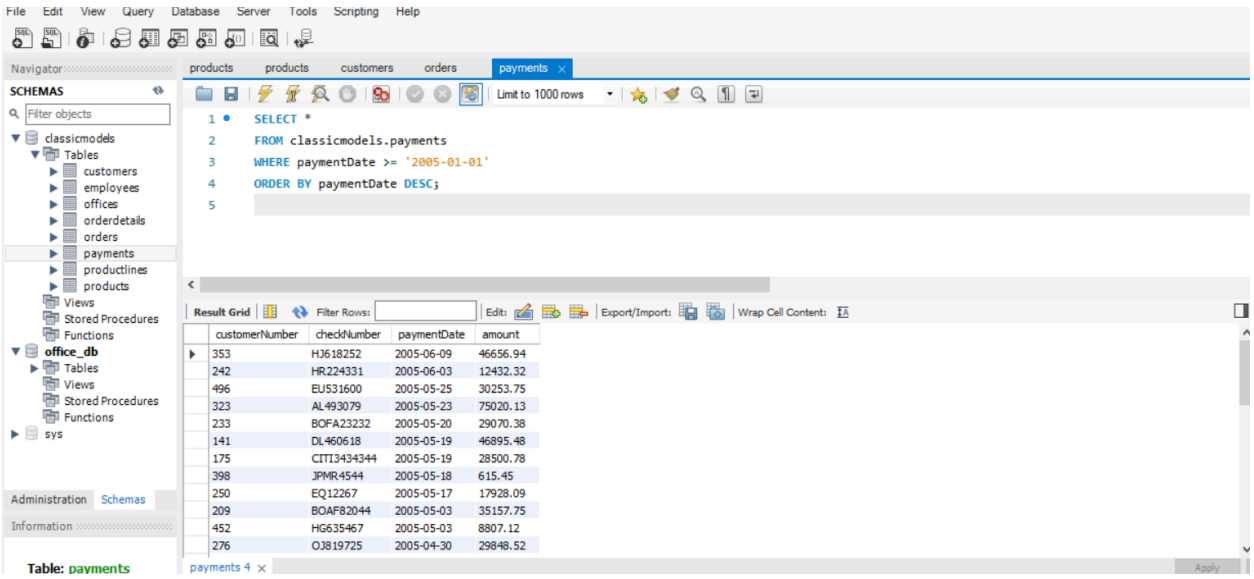
    a. Hint: The output should show exactly six rows.

```
SELECT DISTINCT status
FROM classicmodels.orders
ORDER BY status ASC
LIMIT 6;
```



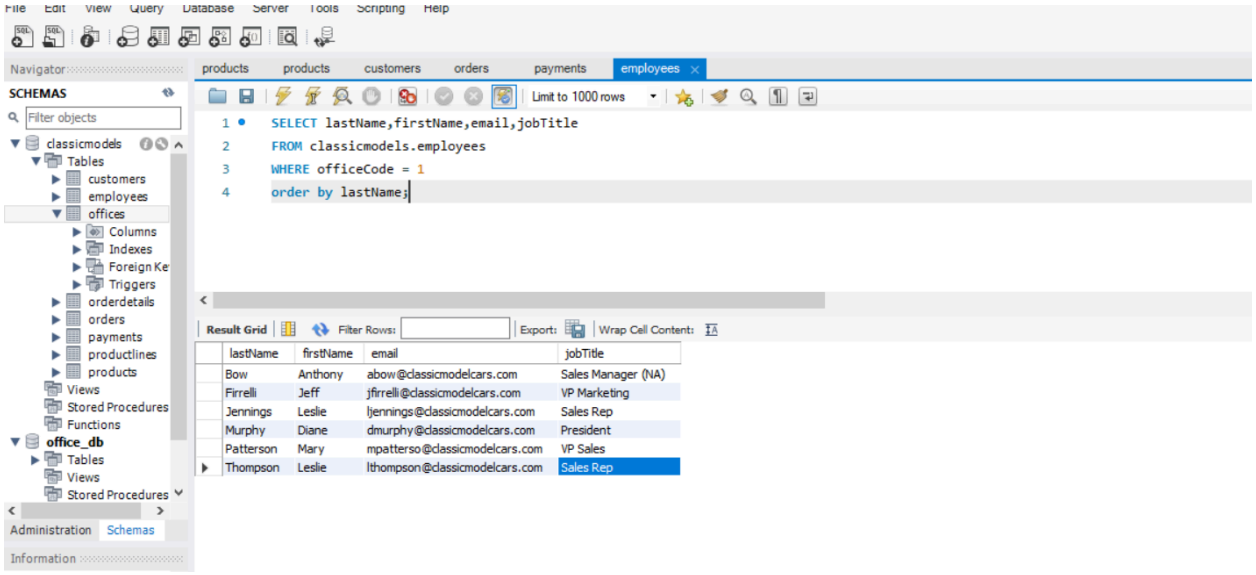
4. Display **all fields** from the payments table for payments made on or after January 1, 2005. The output should be sorted by the payment date from highest to lowest.

```
SELECT *
FROM classicmodels.payments
WHERE paymentDate >= '2005-01-01'
ORDER BY paymentDate DESC;
```



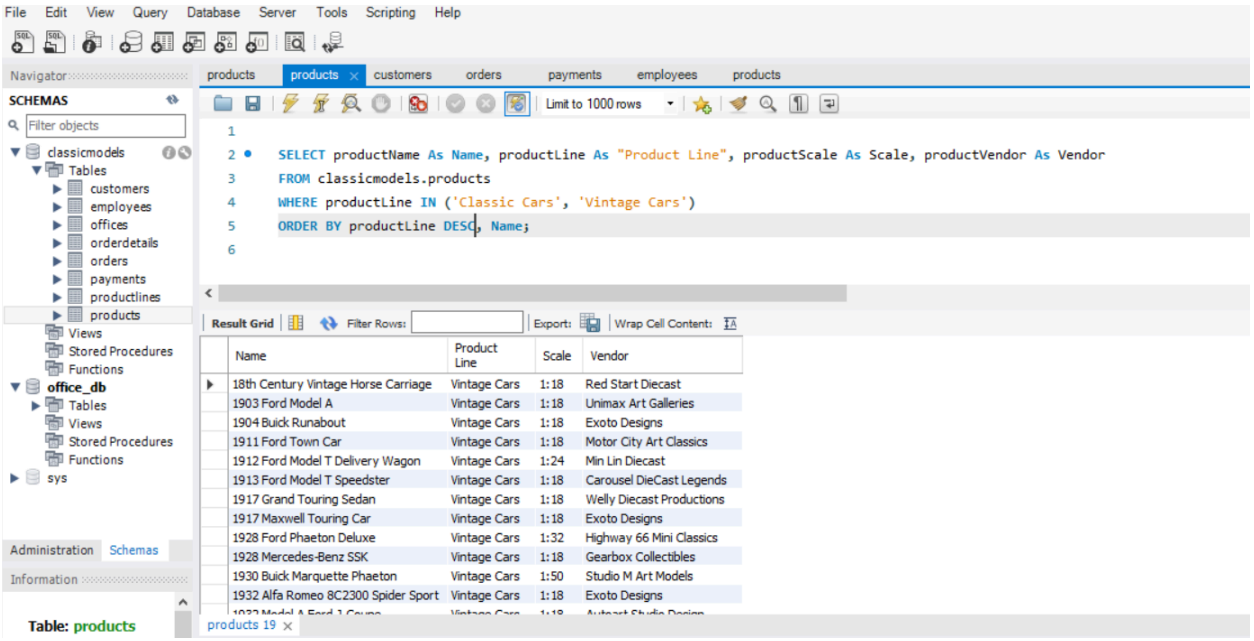
5. Display the **last Name, first Name, email address, and job title** of all employees working out of the San Francisco office. The output should be sorted by “Last Name.”

```
SELECT lastName,firstName,email,jobTitle
FROM classicmodels.employees
WHERE officeCode = 1
order by lastName;
```



6. Display the **name, product line, scale, and vendor** of all of the car products – both classic and vintage. The output should display all vintage cars first (sorted alphabetically by name), and all classic cars last (also sorted alphabetically by name).

```
SELECT productName As Name, productLine As "Product Line", productScale As Scale,
productVendor As Vendor
FROM classicmodels.products
WHERE productLine IN ('Classic Cars', 'Vintage Cars')
ORDER BY productLine DESC, Name;
```



Submission

Please include the following deliverables in your Canvas submission:

- All queries, which should be written and submitted in a single SQL script file.
    - Example: **`<your_name_labname>.sql`**.
    - **Do not add the questions in your SQL script file.**

Submit your SQL script file using the **Start Assignment** button on the assignment page in Canvas.