

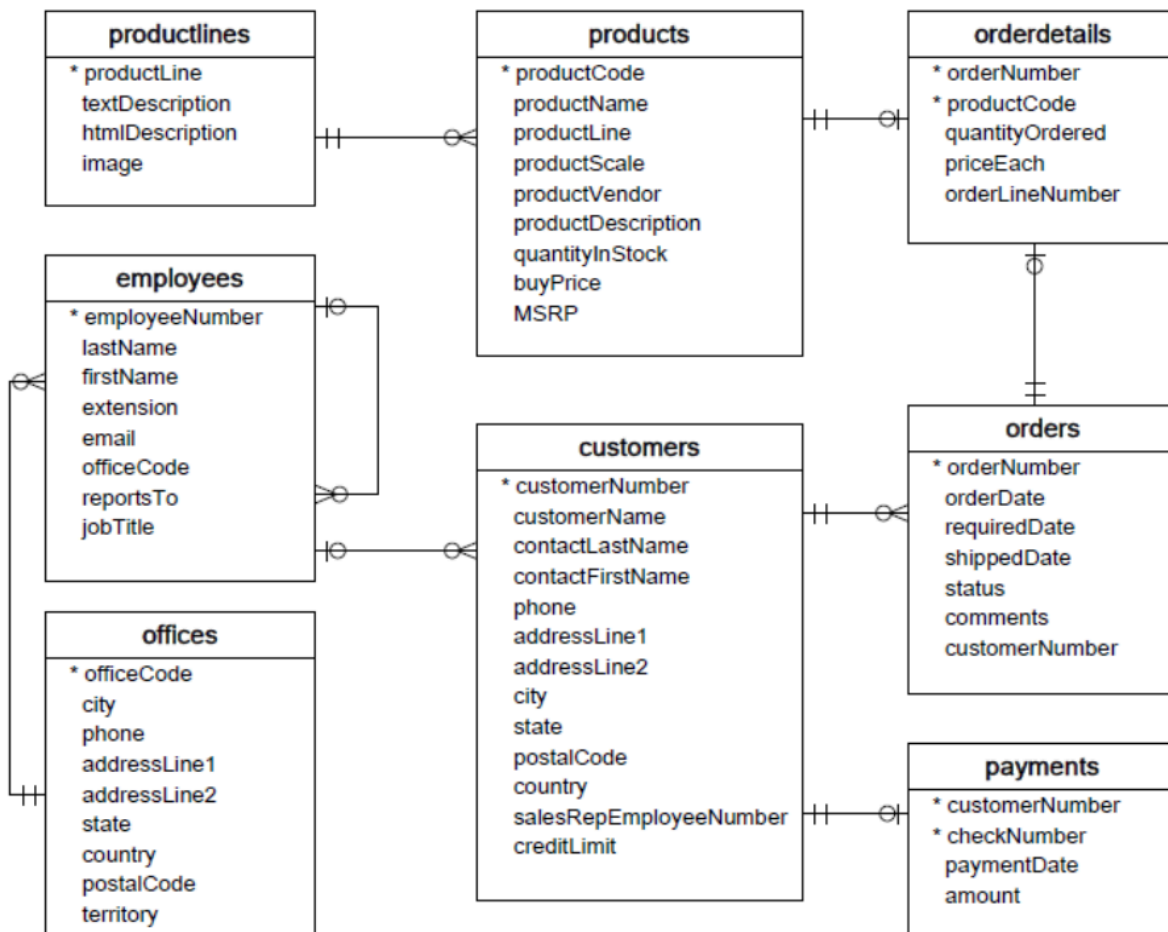
Practice Assignment 304.4.1

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

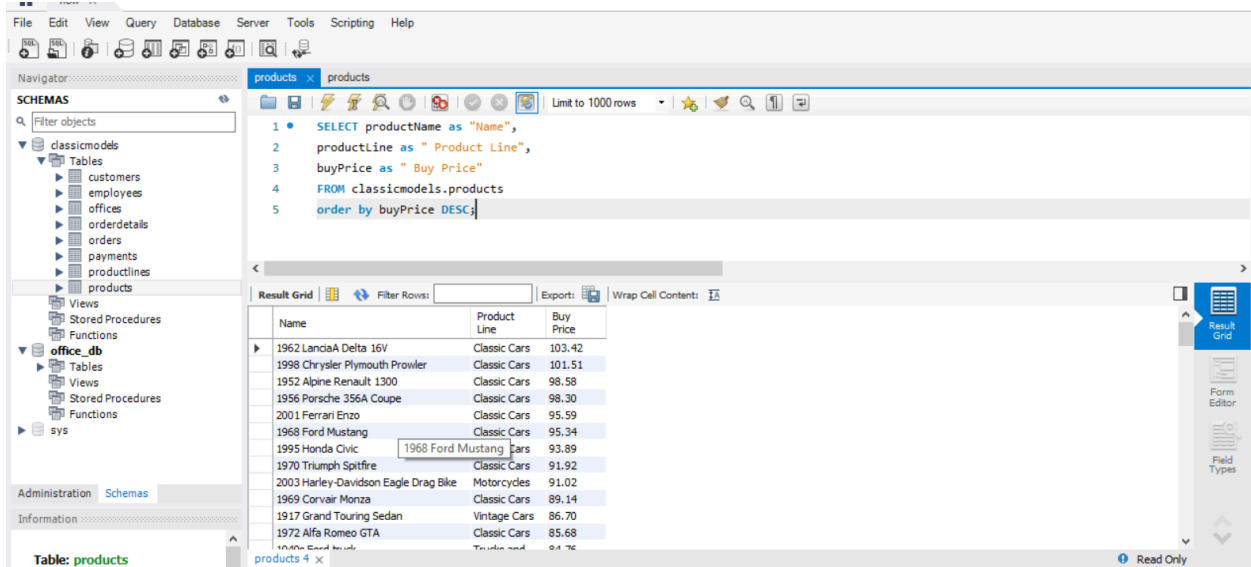
You will be writing SQL queries for this assignment. This assignment tests your understanding of SQL queries and SQL clauses.

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;
```



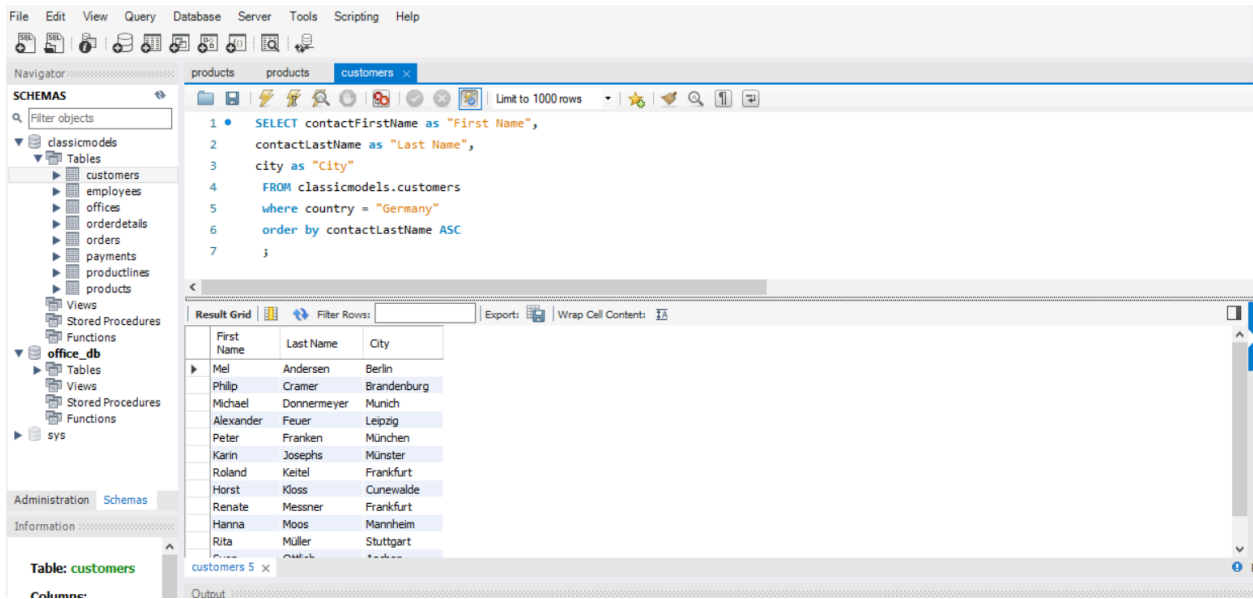
The screenshot shows a database management tool interface. On the left, a 'SCHEMAS' pane lists various databases and tables. The main window displays a SQL query in a text editor, which is the same query as provided in the instructions. Below the query, a 'Result Grid' shows the output of the query. The grid has three columns: 'Name', 'Product Line', and 'Buy Price'. The results are sorted by 'Buy Price' in descending order, with the most expensive product at the top.

Name	Product Line	Buy Price
1962 Lancia Delta 16V	Classic Cars	103.42
1998 Chrysler Plymouth Provier	Classic Cars	101.51
1952 Alpine Renault 1300	Classic Cars	98.58
1956 Porsche 356A Coupe	Classic Cars	98.30
2001 Ferrari Enzo	Classic Cars	95.59
1968 Ford Mustang	Classic Cars	95.34
1995 Honda Civic	Classic Cars	93.89
1970 Triumph Spitfire	Classic Cars	91.92
2003 Harley-Davidson Eagle Drag Bike	Motorcycles	91.02
1969 Corvair Monza	Classic Cars	89.14
1917 Grand Touring Sedan	Vintage Cars	86.70
1972 Alfa Romeo GTA	Classic Cars	85.68

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).

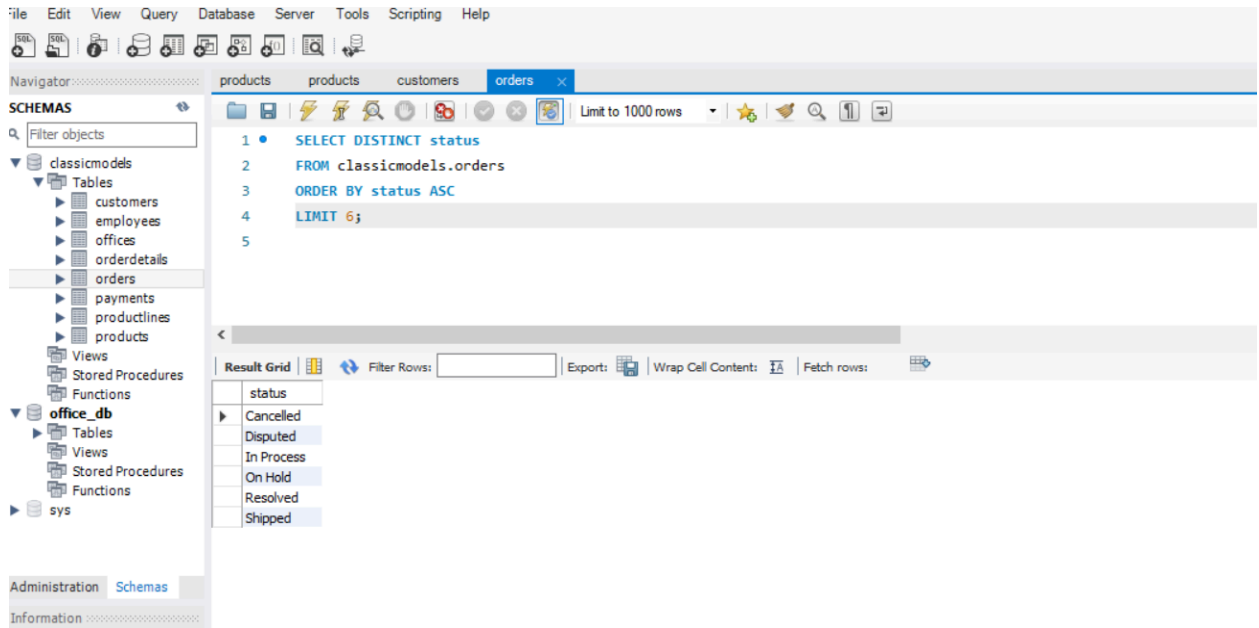
```
SELECT contactFirstName as "First Name",
contactLastName as "Last Name",
city as "City"
FROM classicmodels.customers
```

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;
```



The screenshot shows the SQL Developer interface. The Navigator pane on the left displays the database schema, including the 'classicmodels' database with tables like 'customers', 'employees', 'orders', and 'payments'. The main query window shows the following SQL query:

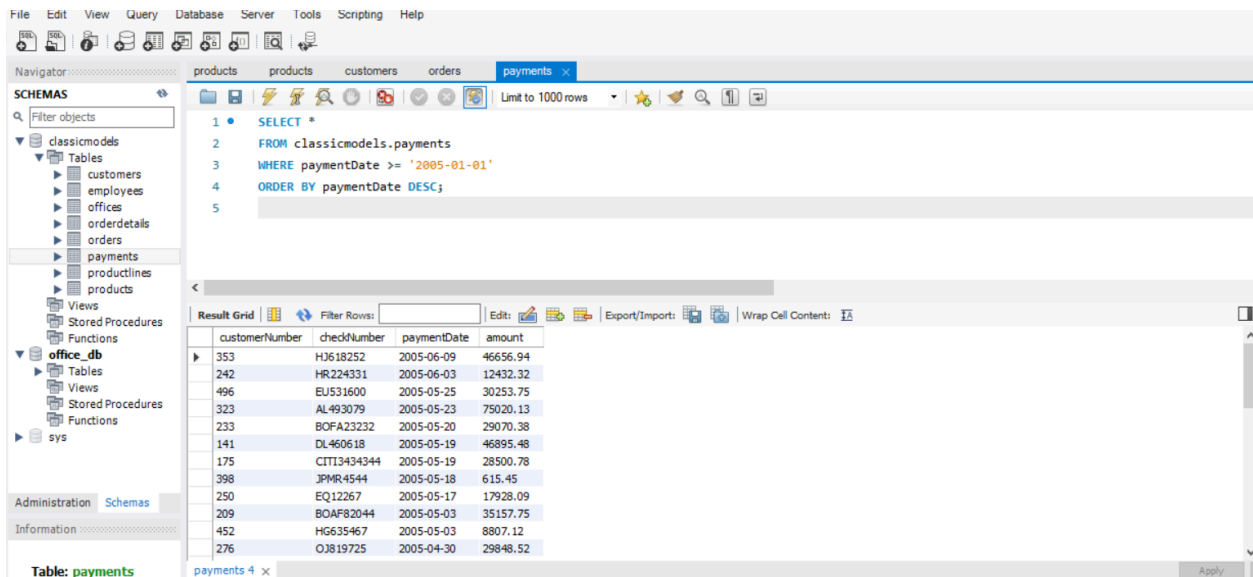
```
1 • SELECT DISTINCT status
2 FROM classicmodels.orders
3 ORDER BY status ASC
4 LIMIT 6;
```

The Result Grid below the query shows the following data:

status
Cancelled
Disputed
In Process
On Hold
Resolved
Shipped

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;
```



The screenshot shows the SQL Developer interface with the 'payments' table selected in the Navigator. The main query window shows the following SQL query:

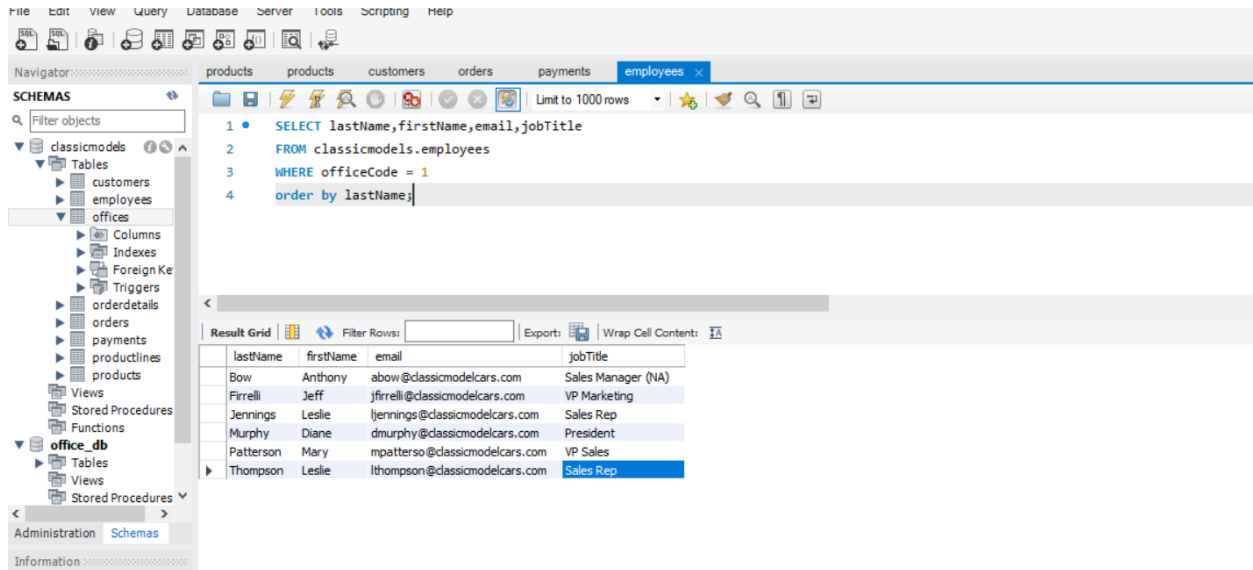
```
1 • SELECT *
2 FROM classicmodels.payments
3 WHERE paymentDate >= '2005-01-01'
4 ORDER BY paymentDate DESC;
```

The Result Grid below the query shows the following data:

customerNumber	checkNumber	paymentDate	amount
353	HJ618252	2005-06-09	46656.94
242	HR224331	2005-06-03	12432.32
496	EU531600	2005-05-25	30253.75
323	AL493079	2005-05-23	75020.13
233	BOFA23232	2005-05-20	29070.38
141	DL460618	2005-05-19	46895.48
175	CITI3434344	2005-05-19	28500.78
398	JPMR45444	2005-05-18	615.45
250	EQ12267	2005-05-17	17928.09
209	BOAF82044	2005-05-03	35157.75
452	HG635467	2005-05-03	8807.12
276	OJ819725	2005-04-30	29848.52

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;
```



The screenshot shows a database management tool interface. The left sidebar displays a tree view of the database schema, including tables like customers, employees, and offices. The main window shows a SQL query editor with the following query:

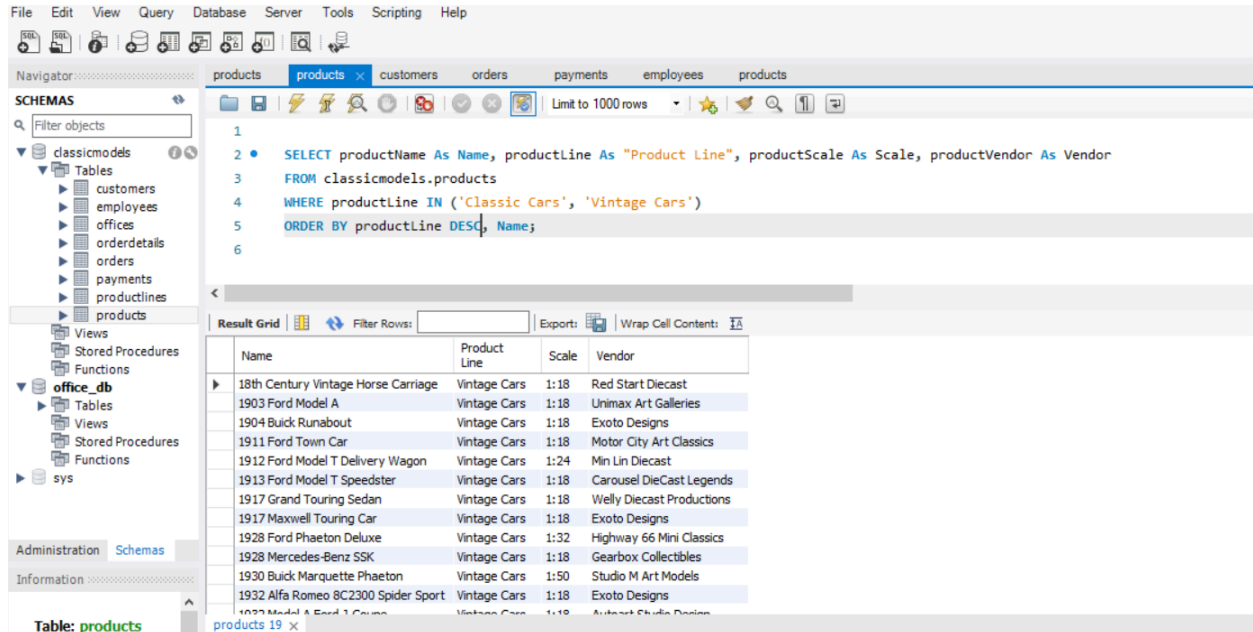
```
1 SELECT lastName,firstName,email,jobTitle
2 FROM classicmodels.employees
3 WHERE officeCode = 1
4 order by lastName;
```

Below the query editor, the "Result Grid" displays the results of the query. The results are sorted by last name and include the following data:

lastName	firstName	email	jobTitle
Bow	Anthony	abow@classicmodelcars.com	Sales Manager (NA)
Firrelli	Jeff	jfirrelli@classicmodelcars.com	VP Marketing
Jennings	Leslie	ljennings@classicmodelcars.com	Sales Rep
Murphy	Diane	dmurphy@classicmodelcars.com	President
Patterson	Mary	mpatterson@classicmodelcars.com	VP Sales
Thompson	Leslie	lthompson@classicmodelcars.com	Sales Rep

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;
```



```

1
2 • SELECT productName As Name, productLine As "Product Line", productScale As Scale, productVendor As Vendor
3   FROM classicmodels.products
4  WHERE productLine IN ('Classic Cars', 'Vintage Cars')
5  ORDER BY productLine DESC, Name;
6

```

Name	Product Line	Scale	Vendor
18th Century Vintage Horse Carriage	Vintage Cars	1:18	Red Start Diecast
1903 Ford Model A	Vintage Cars	1:18	Unimax Art Galleries
1904 Buick Runabout	Vintage Cars	1:18	Exoto Designs
1911 Ford Town Car	Vintage Cars	1:18	Motor City Art Classics
1912 Ford Model T Delivery Wagon	Vintage Cars	1:24	Min Lin Diecast
1913 Ford Model T Speedster	Vintage Cars	1:18	Carousel DieCast Legends
1917 Grand Touring Sedan	Vintage Cars	1:18	Welly Diecast Productions
1917 Maxwell Touring Car	Vintage Cars	1:18	Exoto Designs
1928 Ford Phaeton Deluxe	Vintage Cars	1:32	Highway 66 Mini Classics
1928 Mercedes-Benz SSK	Vintage Cars	1:18	Gearbox Collectibles
1930 Buick Marquette Phaeton	Vintage Cars	1:50	Studio M Art Models
1932 Alfa Romeo 8C2300 Spider Sport	Vintage Cars	1:18	Exoto Designs
1933 Model A Ford 1 Coupe	Vintage Cars	1:18	Autostudio Design

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.