

CIS 3400 Assignment #3 – Structured Query Language – Spring 2019

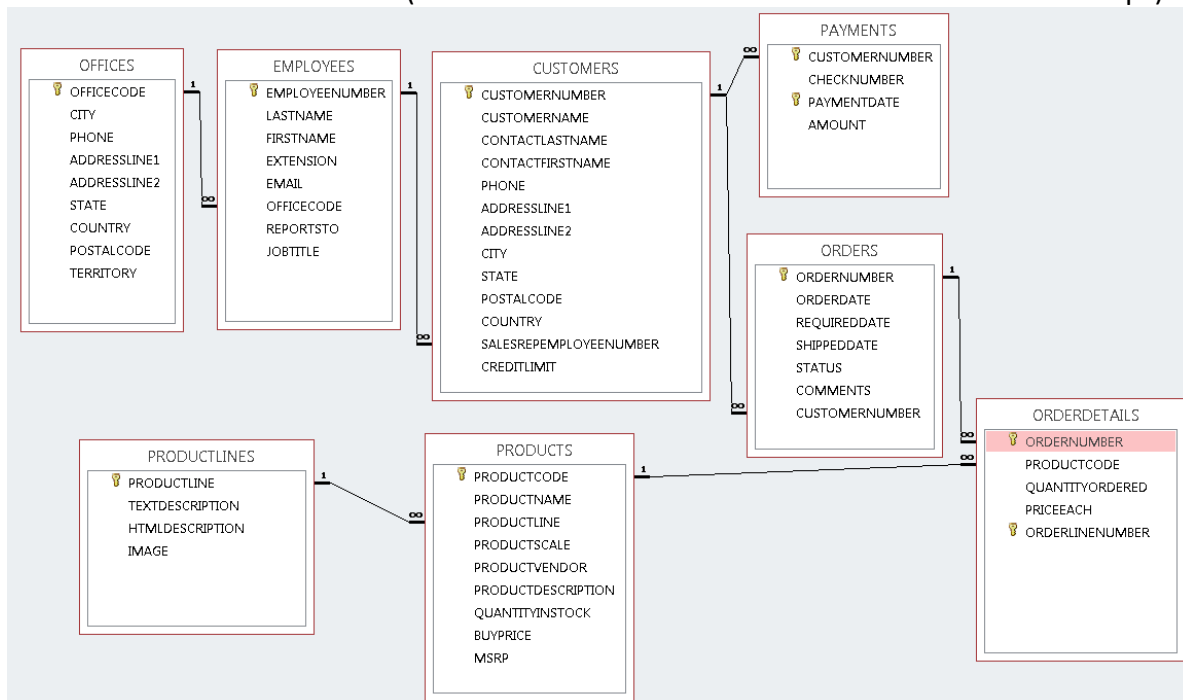
Given the MS Access database schema located in the file classic_models.accdb, answer the following 7 queries by writing out the SQL statements.

- 1) Show the names and addresses of customers located in the United States that have a credit limit of more than \$100,000
 - 2) For each customer located in France, show the number of “Shipped” orders.
 - 3) For each Product Line, show a count of the number of products and the average MSRP.
 - 4) What is the product name, product line and MSRP of the most expensive product?
 - 5) For each Sales rep working in the EMEA territory, show the customer name of customers who are in the same country as the sales rep.
 - 6) Show the total order amount (quantityordered * priceeach) for each customer located in Finland, Denmark or Sweden. Be sure to show the customer’s name and only include orders that have shipped.
 - 7) For each Sales Manager, show a count of the number of Sales reps. that report to them
- Extra Credit: For each customer, show the net balance of total order amount vs. total payments.

Important Notes:

- a) **This is an individual assignment.** If you have questions or issue, please contact Prof. Holowczak directly.
- b) The database file to use is:
http://faculty.baruch.cuny.edu/rholowczak/classes/3400/assign3/classic_models.accdb
- c) Follow the instructions provided [here](#) to work with SQL queries in MS access including how to copy and paste results: <http://holowczak.com/working-structured-query-language-sql-microsoft-access-2010-2013/>
- d) For each query, write out the original question, then the SQL statement – make sure it is formatted appropriately using **Courier New font**. Be sure your SQL code does not continue across 2 pages. Then show the resulting records. See below for an example.
- e) Do not copy and paste the entire MS Access screen into your answers.

Below is the database schema (also can be viewed under Database Tools – Relationships)



Example Question, Query and Results:

Question0: Show the employees names, city, state and country for Sales Reps working outside of the USA.

SQL:

```
SELECT e.firstname, e.lastname, o.city, o.state, o.country
FROM   employees e INNER JOIN offices o ON e.officocode = o.officocode
WHERE  e.jobtitle = 'Sales Rep'
      AND o.country <> 'USA';
```

Results:

Q0.Sales_Reps_outside_of_USA				
firstname	lastname	city	state	country
Loui	Bondur	Paris		France
Gerard	Hernandez	Paris		France
Pamela	Castillo	Paris		France
Martin	Gerard	Paris		France
Mami	Nishi	Tokyo	Chiyoda-Ku	Japan
Yoshimi	Kato	Tokyo	Chiyoda-Ku	Japan
Andy	Fixter	Sydney		Australia
Peter	Marsh	Sydney		Australia
Tom	King	Sydney		Australia
Larry	Bott	London		UK
Barry	Jones	London		UK