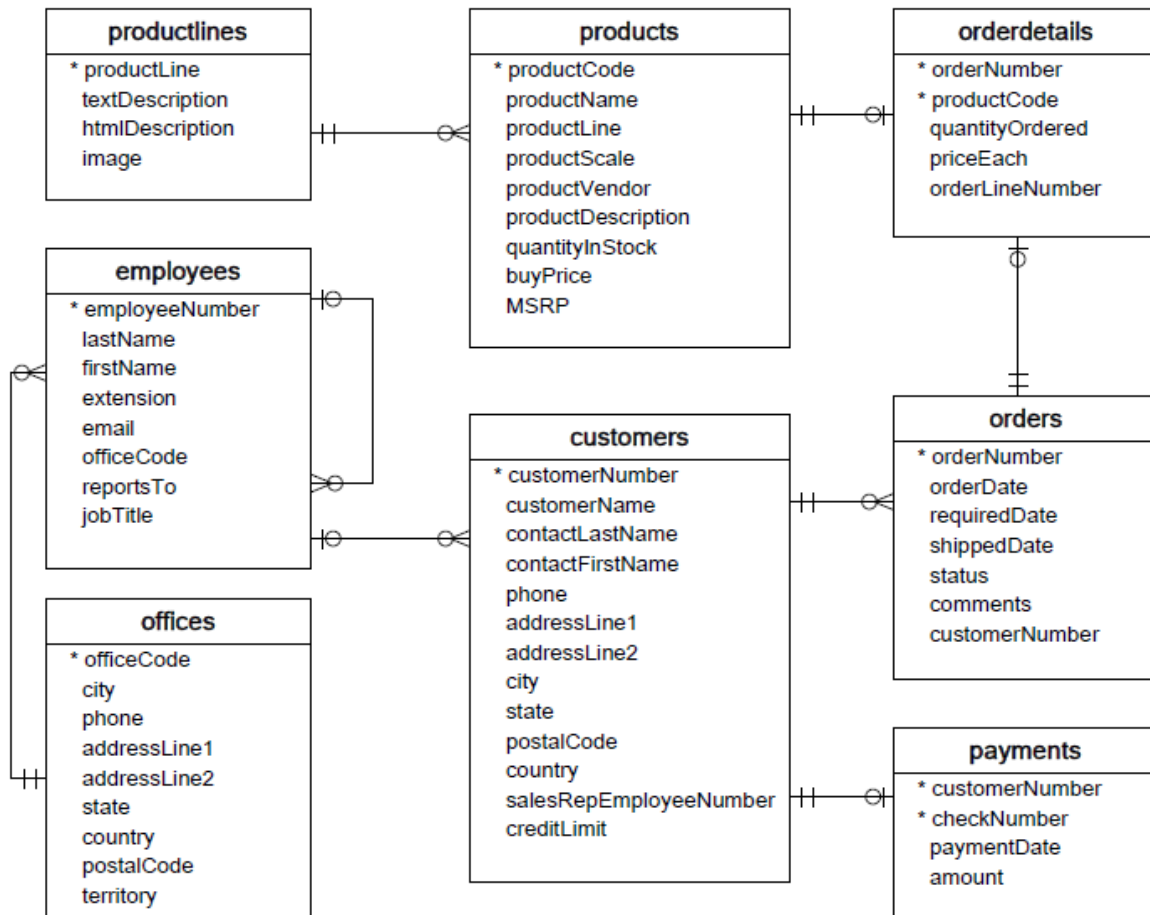# Database week 4 Assignments

1.1 Assignment 1 (easy) Model Cars

Download WC_Week4_1_ModelCars.sql
Import it into PhpMyAdmin.

Database Schema:

It concerns the database of a factory that makes scale models of, among other things, cars, motorcycles and trains. Tables for customers, products, orders and linking tables are available.

1. Show the EmployeeNumber, full name and email of all the 'Sales Representatives' (Sales Rep).
2. Show all orders that have been cancelled (status cancelled).
3. Show all the data from all the Canadian customers.
4. Show the productname and productline of all products that are either classic cars or vintage cars.
5. Write a query that joins the customer and employees table. You may Select all data for this query.
6. Show the contacts of all the customers that have no credit limit.
7. Show the officecode, city and country of all offices that have a '02' in their postalcode.
8. Show a list of all Ford model classic cars. Show the productname and the productline.

1.2 Assignment 2 (Medium) Model Cars

1. Show all payments made during the year 2004.
2. Show all customer names and customernumbers that have a 2nd adressline.

1.3 Assignment 3 (Hard) Model Cars

1. Write an update query that assigns the EmployeeNumber of Julie Firrelli to all customers from the Netherlands.

1.4 Assignment 4 Marcia's Dry Cleaning

Download WC_Week4_2_Marcia'sDrycleaning_CreateTables.sql en
WC_Week4_2_Marcia'sDrycleaning_Insert.sql
Import it into PhpMyAdmin

A. Show all data in each of the tables.
B. List the LastName, FirstName, andPhone of allcustomers.
C. List the LastName, FirstName, and Phonefor all customerswith a FirstName of"Nikki".
D. List the LastName, FirstName, Phone,DateIn, and DateOut of all orders in excess of$100.00.
E. List the LastName, FirstName, and Phoneof allcustomerswhose first name startswith 'B'.
F. List the LastName, FirstName, and Phone of all customers whose last name includes the characters 'cat'.
G. List the LastName, FirstName, and Phone for all customers whose second and third digits (from the left) of their phone number are 23. For example, any phone number with an area code of '723' would meet the criteria.
H. Determine the maximum and minimum TotalAmount.
I. Determine the average TotalAmount.
J. Count the number of customers.
K. Group customers by LastName and then by FirstName.
L. Count the number of customers having each combination of LastName and FirstName.
M. Show the LastName, FirstName, and Phone of all customers who have had an order with TotalAmount greater than $100.00. Use a subquery. Present the results sorted by LastName in ascending order and then FirstName in descending order.
N. Show the LastName, FirstName and Phone of all customers who have had an order with TotalAmount greater than $100.00. Use a join, but do not use JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.
O. Show the LastName, FirstName and Phone of all customers who have had an order with TotalAmount greater than $100.00. Use a join using JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.
P. Show the LastName, FirstName and Phone of all customers who have had an order with an Item named "Dress Shirt". Use a subquery. Present the results sorted by LastName in ascending order and then FirstName in descending order.
Q. Show the LastName, FirstName and Phone of all customers who have had an order with an Item named "Dress Shirt". Use a join, but do not use JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.

1.5 Assignment 5 Morgan Import

Download WC_Week4_3_MorganImporting_CreateTables.sql en
WC_Week4_3_MorganImporting_Insert.sql
Import it into PhpMyAdmin

A. Show all data in each of the tables.
B. List the ShipmentID, ShipperName, and ShipperInvoiceNumber of all shipments.
C. List the ShipmentID, ShipperName, and ShipperInvoiceNumber for all shipments that have an insured value greater than $10,000.00.
D. List the ShipmentID, ShipperName, and ShipperInvoiceNumber of all shippers whose name starts with "AB".
E. Assume DepartureDate and ArrivalDate are in the format MM/DD/YY. List the ShipmentID, ShipperName, ShipperInvoiceNumber, and ArrivalDate of all shipments that departed in December.
F. Assume DepartureDate and ArrivalDate are in the format MM/DD/YY. List the ShipmentID, ShipperName, ShipperInvoiceNumber, and ArrivalDate of all shipments that departed on the tenth day of any month.
G. Determine the maximum and minimum InsuredValue.
H. Determine the average InsuredValue.
I. Count the number of shipments.
J. Show ItemID, Description, Store, and a calculated column named USCurrencyAmount that is equal to LocalCurrencyAmount times the ExchangeRate for all rows of ITEM.
K. Group item purchases by City and Store.
L. Count the number of purchases having each combination of City and Store.
M. Show the ShipperName, ShipmentID and DepartureDate of all shipments that have an item with a value of $1,000.00 or more. Use a subquery. Present results sorted by ShipperName in ascending order and then DepartureDate in descending order.
N. Show the ShipperName, ShipmentID, and DepartureDate of all shipments that have an item with a value of $1000.00 or more. Use a join. Present results sorted by ShipperName in ascending order and then DepartureDate in descending order.
O. Show the ShipperName, ShipmentID, and DepartureDate of the shipments for items that were purchased in Singapore. Use a subquery. Present results sorted by ShipperName in ascending order and then DepartureDate in descending order.
P. Show the ShipperName, ShipmentID, and DepartureDate of all shipments that have an item that was purchased in Singapore. Use a join, but do not use JOIN ON syntax. Present results sorted by ShipperName in ascending order and then DepartureDate in descending order.
Q. Show the ShipperName, ShipmentID, and DepartureDate of all shipments that have an item that was purchased in Singapore. Use a join using JOIN ON syntax. Present results sorted by ShipperName in ascending order and then DepartureDate in descending order.