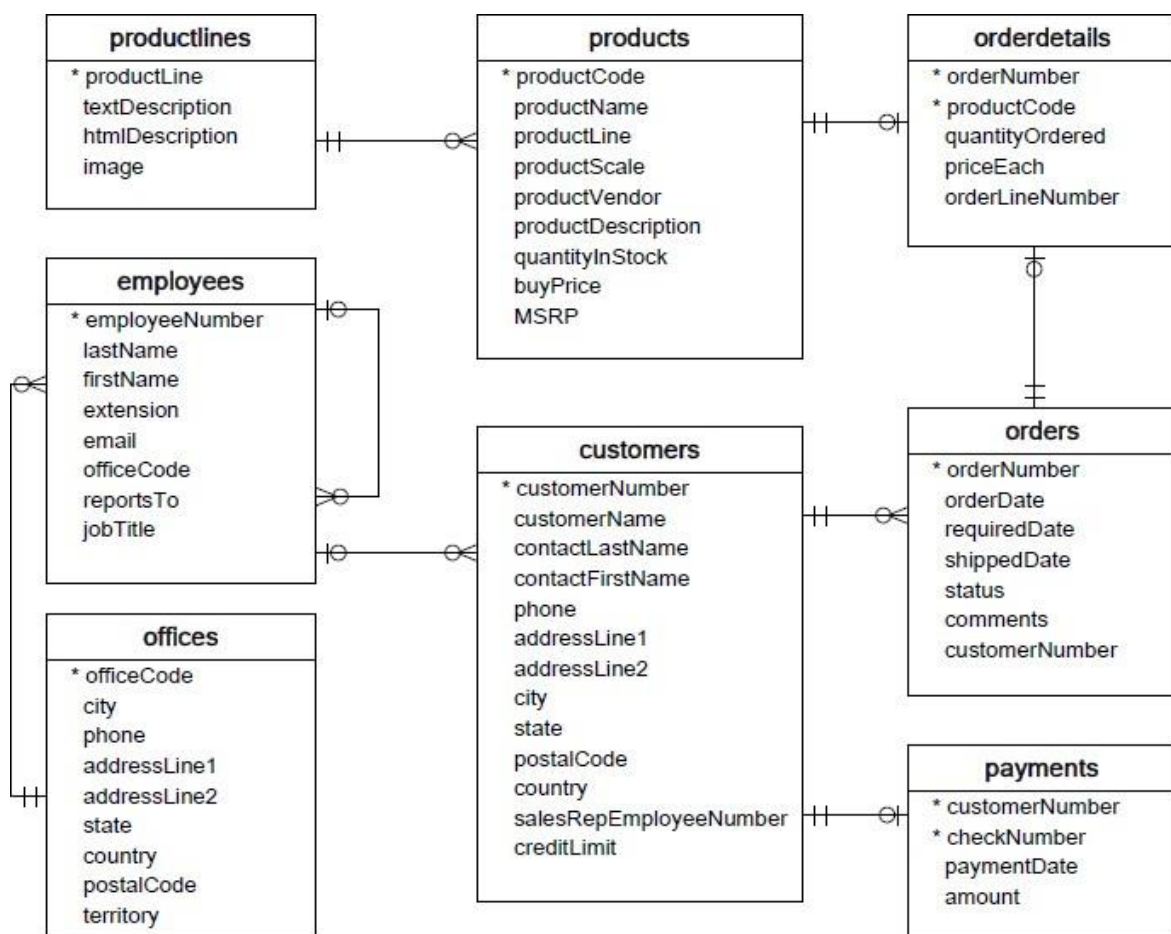# SQL Assignment

CASE

In this assignment, we're going to ask you to write SQL statements that fulfill specific requirements.

We use publicly available MySQL Sample Database which you can learn about and download [here](). You can instantiate it using the provided SQL script in your local installation of MySQL community edition or restore it from the provided backup. If these options aren't working for you for some reason, you can write the statements in any text editor and submit them without testing on the real database. While evaluating the assignment, we will focus on the semantics of the queries, but not their syntactical correctness.

productlines
- * productLine
- textDescription
- htmlDescription
- image

products
- * productCode
- productName
- productLine
- productScale
- productVendor
- productDescription
- quantityInStock
- buyPrice
- MSRP

orderdetails
- * orderNumber
- * productCode
- quantityOrdered
- priceEach
- orderLineNumber

employees
- * employeeNumber
- lastName
- firstName
- extension
- email
- officeCode
- reportsTo
- jobTitle

customers
- * customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

orders
- * orderNumber
- orderDate
- requiredDate
- shippedDate
- status
- comments
- customerNumber

offices
- * officeCode
- city
- phone
- addressLine1
- addressLine2
- state
- country
- postalCode
- territory

payments
- * customerNumber
- * checkNumber
- paymentDate
- amount

ASSIGNMENT

1. Write an SQL query to fetch unique values of "city" from "customers" table using the alias name as "CUSTOMER_CITY".

2. Write an SQL query to print all details of employees, excluding those with first names "Gerard" and "Mary".

3. Write an SQL query to print full name as concatenation of first and last name of employees whose last name ends with 'n'

4. Write an SQL query to print all details of all employees located in offices within territory "EMEA".

5. Write an SQL query to fetch the no. of employees for each territory. Sort by no. of employees in the descending order.

6. Write an SQL query to print "productName" from "products" table **next** to the corresponding "textDescription" with alias "productLine" from the "productlines" table order by "productLine" Ascending and "productName" Descending.

7. Write an SQL query to print top 5 products with highest total quantity sold in April, 2005. Quantities should also be displayed.

8. Write an SQL query to print total revenue (calculated as "quantityOrdered" * "priceEach") along with product names for all products in the database, including those where no sales were registered (display revenue as 0 in such cases).