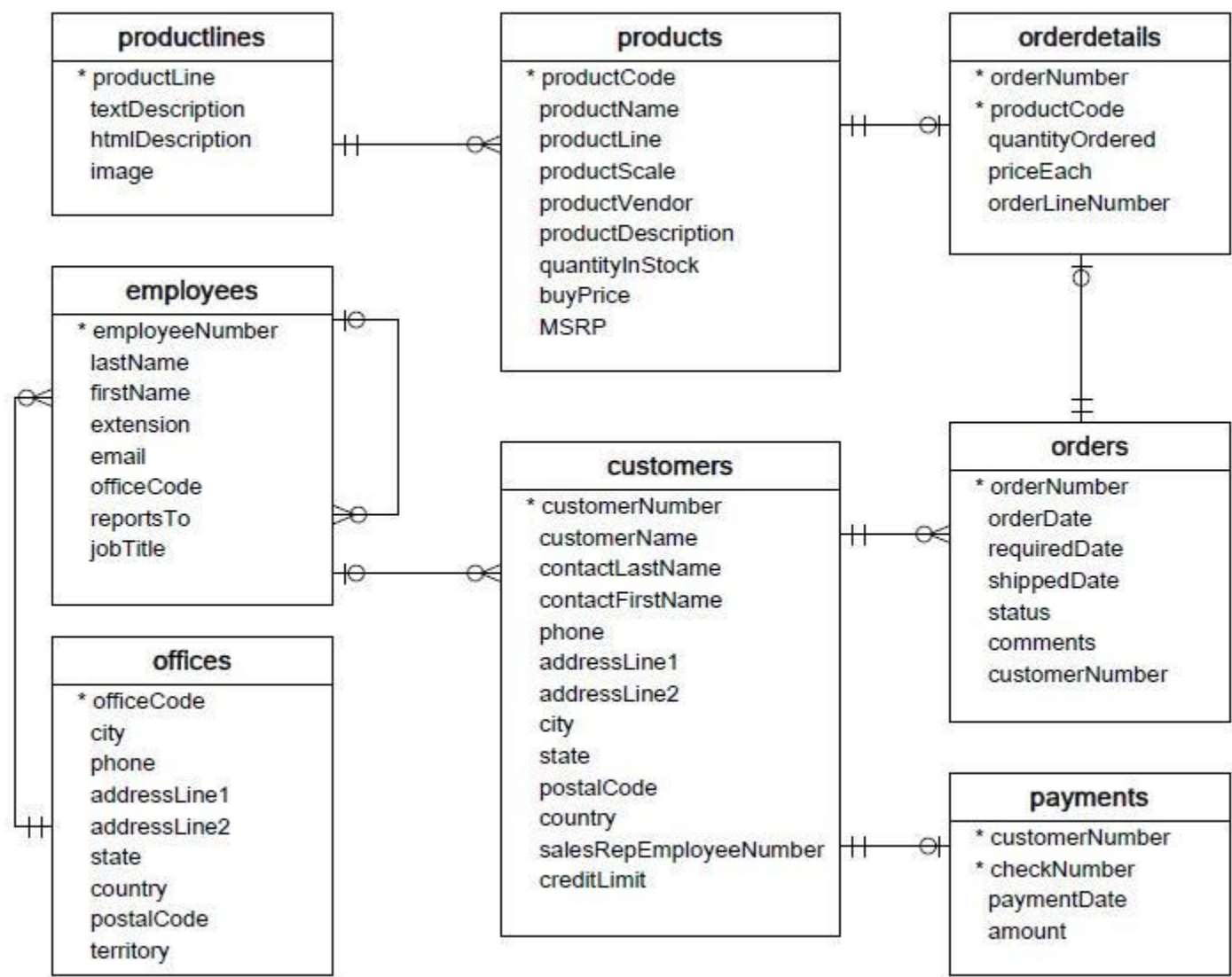


WORKSHEET 3 SQL

Refer the following ERD and answer all the questions in this worksheet. You have to write the queries using mysql for the required Operation.



- ❑ **Customers**: stores customer’s data.
- ❑ **Products**: stores a list of scale model cars.
- ❑ **ProductLines**: stores a list of product line categories.
- ❑ **Orders**: stores sales orders placed by customers.
- ❑ **OrderDetails**: stores sales order line items for each sales order.
- ❑ **Payments**: stores payments made by customers based on their accounts.
- ❑ **Employees**: stores all employee information as well as the organization structure such as who reports to whom.
- ❑ **Offices**: stores sales office data.

1. Write SQL query to create table **Customers**.
ANS: CREATE table customers (customerNumber int, customerName varchar(15), contactLastName varchar(10), contactFirstName(10), phone int, addressLine1 varchar(20), addressLine2 varchar(20), city varchar(10), state char(10), postalCode int, country char(15), salesRepEmployeeNumber int, creditLimit float)
2. Write SQL query to create table **Orders**.
ANS: CREATE table orders (orderNumber int, orderDate date, requiredDate date, shippedDate date, status char(10), comments(30), customersNumber int)
3. Write SQL query to show all the columns data from the **Orders** Table.
ANS: SELECT * FROM table orders

4. Write SQL query to show all the comments from the **Orders** Table.

ANS: SELECT comments FROM table orders

5. Write a SQL query to show orderDate and Total number of orders placed on that date, from **Orders** table.

ANS: SELECT orderDate, orderNumber from orders where orderDate==''

6. Write a SQL query to show employeeNumber, lastName, firstName of all the employees from **employees** table.

ANS: SELECT employeeNumber, lastName, firstName from employees

7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

ANS: SELECT orderNumber, customerName from orders

8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.

ANS: SELECT customerName , salesRepEmployeeNumber from customers

9. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the **payments** table.

ANS: SELECT paymentDate ,amount from payments where payments.paymentDate==payments.amount

10. Write a SQL query to show all the products productName, MSRP, productDescription from the **products** table.

ANS:

11. Write a SQL query to print the productName, productDescription of the most ordered product.

ANS:

12. Write a SQL query to print the city name where maximum number of orders were placed.

ANS:

13. Write a SQL query to get the name of the state having maximum number of customers.

ANS:

14. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

ANS:

15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered \times priceEach).

ANS: