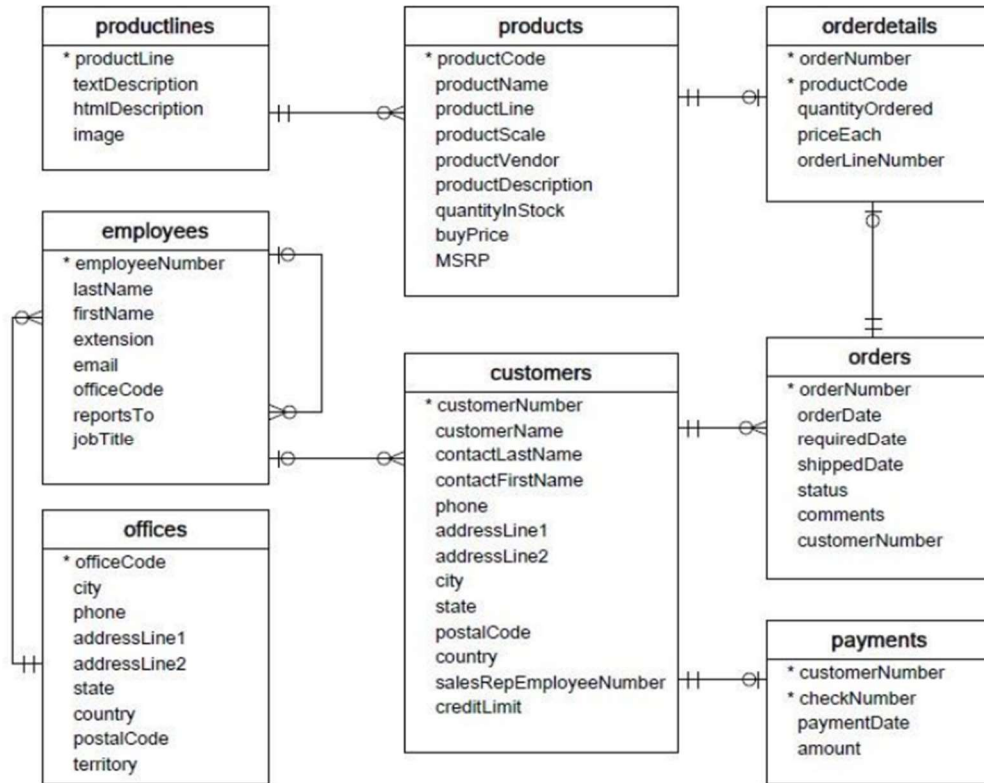


WORKSHEET 3 SQL

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 PRIMARY KEY, productName TEXT, productLine TEXT, productScale TEXT, productVendore TEXT, productDescription TEXT, quatityinStock INT, buyPrice INT, MSRP INT)"

2. Write SQL query to create table **Orders**.

Ans: "CREATE TABLE Orders(orderNumber INT PRIMARY KEY, orderDate INT, requiredDate INT, shippedDate INT, status TEXT, comment TEXT, customerNumber INT)"

3. Write SQL query to show all the columns data from the **Orders** Table.

Ans: "SELECT * from Orders

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

Ans: cursor.execute("SELECT comment from Orders

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

Ans: "SELECT * from Orders WHERE COLUMN NAME IN(orderDate, orderNumber ")

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

SELECT * FROM employees WHERE COLUMN NAME IN(employeeNumber, lastName, firstName)

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

SELECT * FROM Orders WHERE customerName = Sam

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

SELECT * from Customers customerName in(SELECT * FROM employees where salerepresentative = employeeNumber)

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.

SELECT * from payment WHERE COLUMN NAME IN(paymentDate, amount)

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

Ans: SELECT * from products WHERE COLUMN NAME IN(productName, MSRP, productDescription)

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

Ans: `SELECT* FROM customer order by city name where count (*)DESC`

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

`SELECT* FROM customer order by stateName where count (*)DESC`

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: `SELECT employeeNumber, firstName from employees`