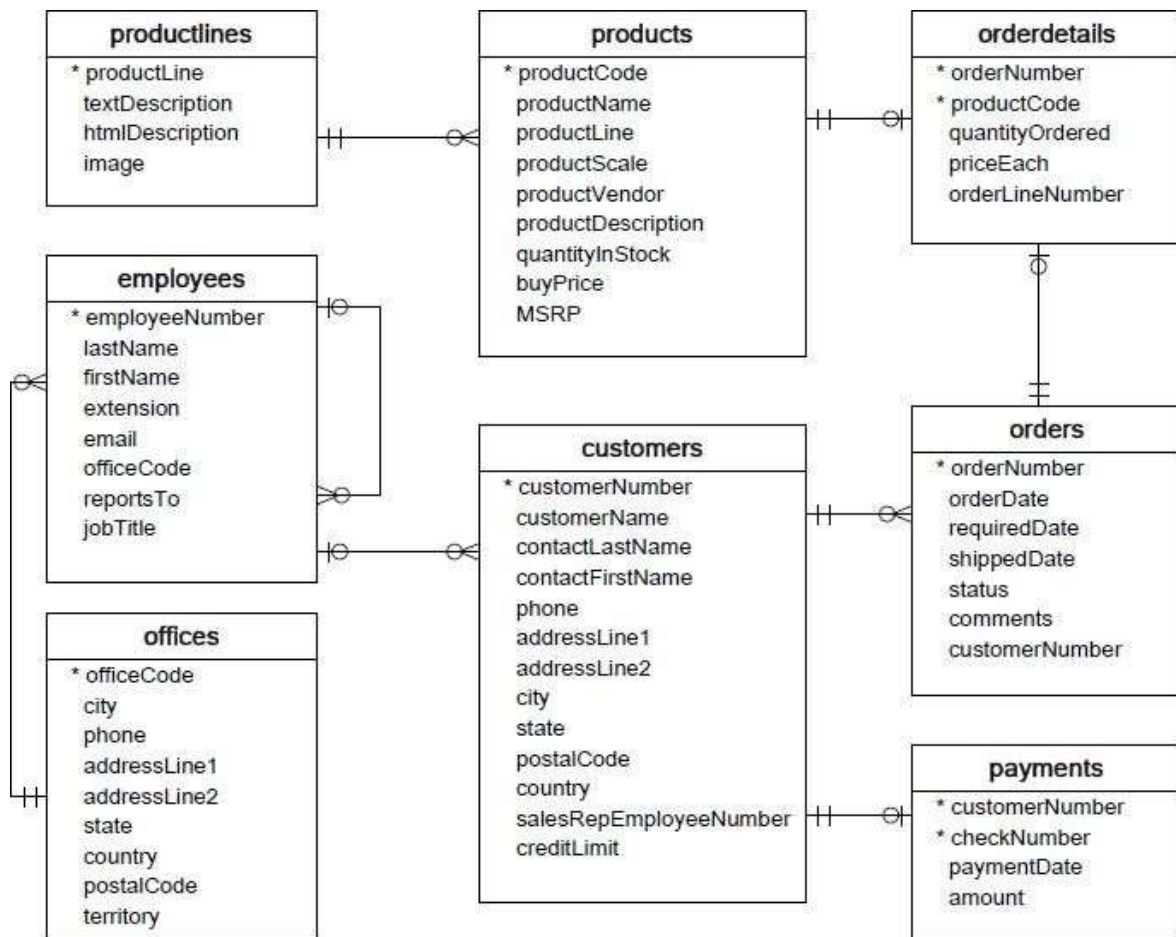


## WORKSHEET 4 SQL

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.
- ❑ **Product Lines:** stores a list of product line categories.
- ❑ **Orders:** stores sales orders placed by customers.
- ❑ **Order Details:** 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.

### QUESTIONS:

1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

**Ans:** select productName, min(MSPR) from products;

2. Write a SQL query to show average number of orders placed in a day.

**Ans:** select productName, max(stockQuantity) from products;

3. Write a SQL query to show the product name with minimum MSRP (use Products table).

**Ans:** select productName, count(productName) from products GROUP BY productCode ORDER BY count(productName) DESC limit 1;

4. Write a SQL query to show the product name with maximum value of stockQuantity.

**Ans:** select customers.customerName, payments.amount from customers INNER JOIN payments ON customers.customersNumber=payments.customersNumber ORDER BY amount DESC limit 1;

5. Write a query to show the most ordered product Name (the product with maximum number of orders).

**Ans:** select customersNumber, customerName from customers where city IN (' Melbourne ');

6. Write a SQL query to show the highest paying customer Name.

**Ans:** select customerName from customers where customerName LIKE 'N%';

7. Write a SQL query to show customerNumber, customerName of all the customers who are from Melbourne city.

8. Write a SQL query to show name of all the customers whose phone start with '7' and are from city 'LasVegas'.

**Ans.** select customerName from customers where customersNumber LIKE '7%' AND city IN ('LasVegas');

9. Write a SQL query to show name of all the customers whose creditLimit < 1000 and city is either "Las Vegas" or "Nantes" or "Stavern".

**Ans.** select customerName, creditLimit, city from customers where creditLimit

10. Write a SQL query to show all the orderNumber in which quantity ordered 1000.

**Ans.** Select orderNumber from orders where quantityordered<10.

11. Write a SQL query to show all the orderNumber whose customer Name start with letter 'N'.

**Ans:** select orders.orderNumber from orders INNER JOIN customers ON orders.customersNumber = customers.customersNumber where customerName LIKE 'N%';

12. Write a SQL query to show all the customerName whose orders are "Disputed" in status.

**Ans:** select customers.customerName from customers INNER JOIN orders ON customers.customersNumber = orders.customersNumber where status = 'Disputed';

13. Write a SQL query to show average number of orders placed in a day.

**Ans:** SELECT ID, AVG (CountPerDay) AS AvgPerDay FROM orders GROUP BY ID.

14. Write a SQL query to show the customerName who made payment through cheque with checkNumber startingwith H and made payment on "2004-10-19"

**Ans:** select customers.customerName from customers INNER JOIN payments ON customers.customersNumber = payments.customersNumber where checkNumber LIKE 'H%' and paymentDate = "2004-10-19" ;

15. Write a SQL query to show all the checkNumber whose amount > 1000.

**Ans.** select checkNumber from payments where amount > 1000 ;