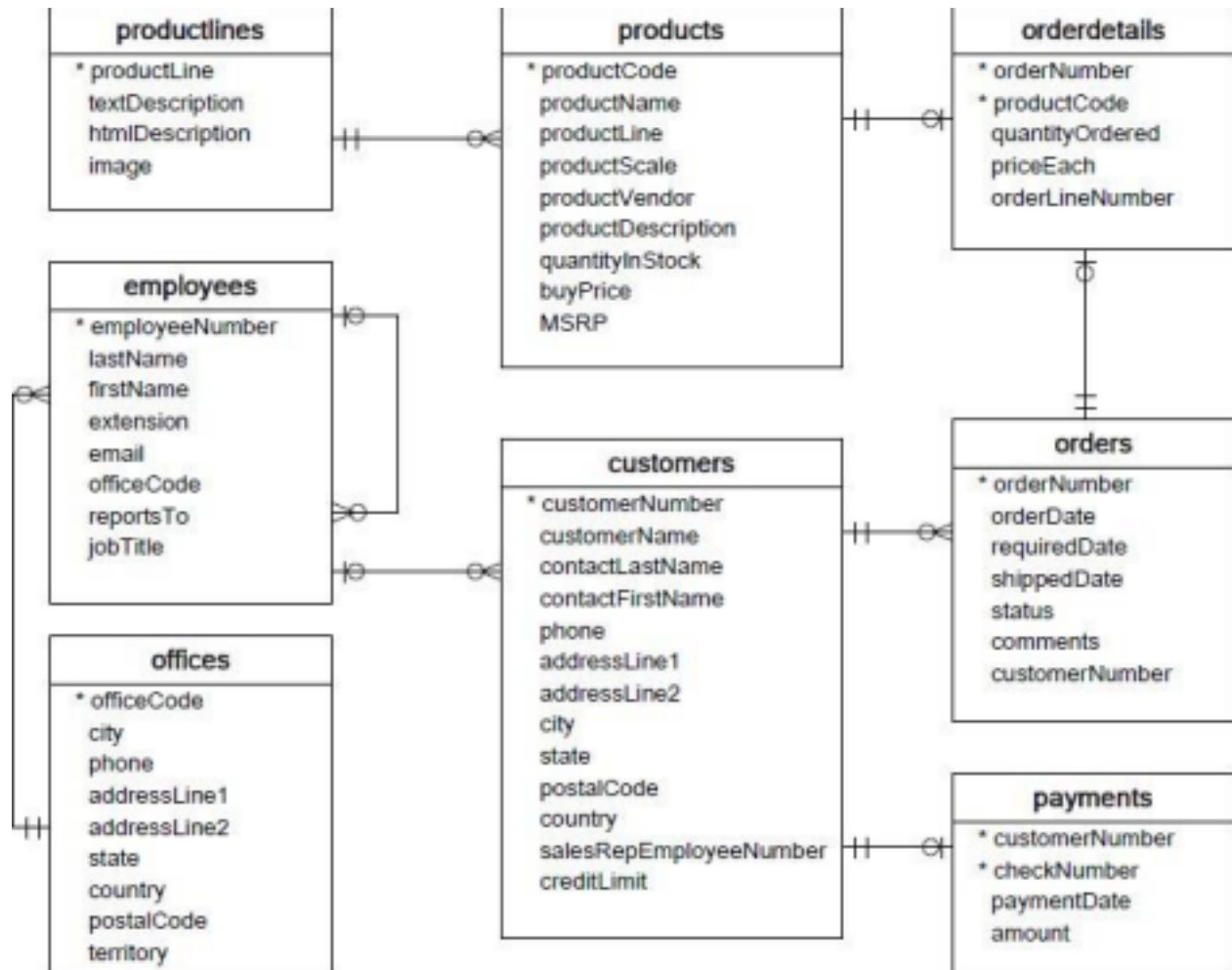


WORKSHEET 4 SQL

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 the average number of orders shipped in a day (use Orders table).

Ans : Select avg(orderNumber)
from orders
where shippedDate = 'Tuesday';

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

Ans :SELECT orderDate(order_placed_date) ,avg(orderNumber) AS avg_total
FROM Orders
GROUP BY orderDate(order_placed_date)

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

Ans : Select productName
From products
Where MSRP=(Select min(MSRP) from products);

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

Ans : Select productName
from products
where quantityInStock = (Select max(quantityInStock)from products);

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

Ans : Select productName
From products
Where productScale = (Select max(prodcutScale) from products);

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

Ans :Select customerName
From customers
Where creditLimit = (Select max(creditLimit) from customers);

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

Ans :Select customerNumber , customerName
From customers
Where city = 'Melbourne';

8. Write a SQL query to show the name of all the customers whose name starts with "N".

Ans : Select *

From customers

Where customerName like 'N%';

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

Ans : select customerName

From customers

Where phone like "7%" and city = "LasVegas";

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

Ans : Select customerName

From customers

Where creditLimit < 1000 and city between "Las Vegas" or "Nantes" or "Stavern";

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

Ans : Select orderNumber

From orders

Where quantityOrdered < 10;

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

Ans : Select orderNumber

From orders

Where customerName like "N%";

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

Ans : Select customerNumber

From orders

Where status = "Disputed";

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

Ans : Select customerNumber

From payments

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;