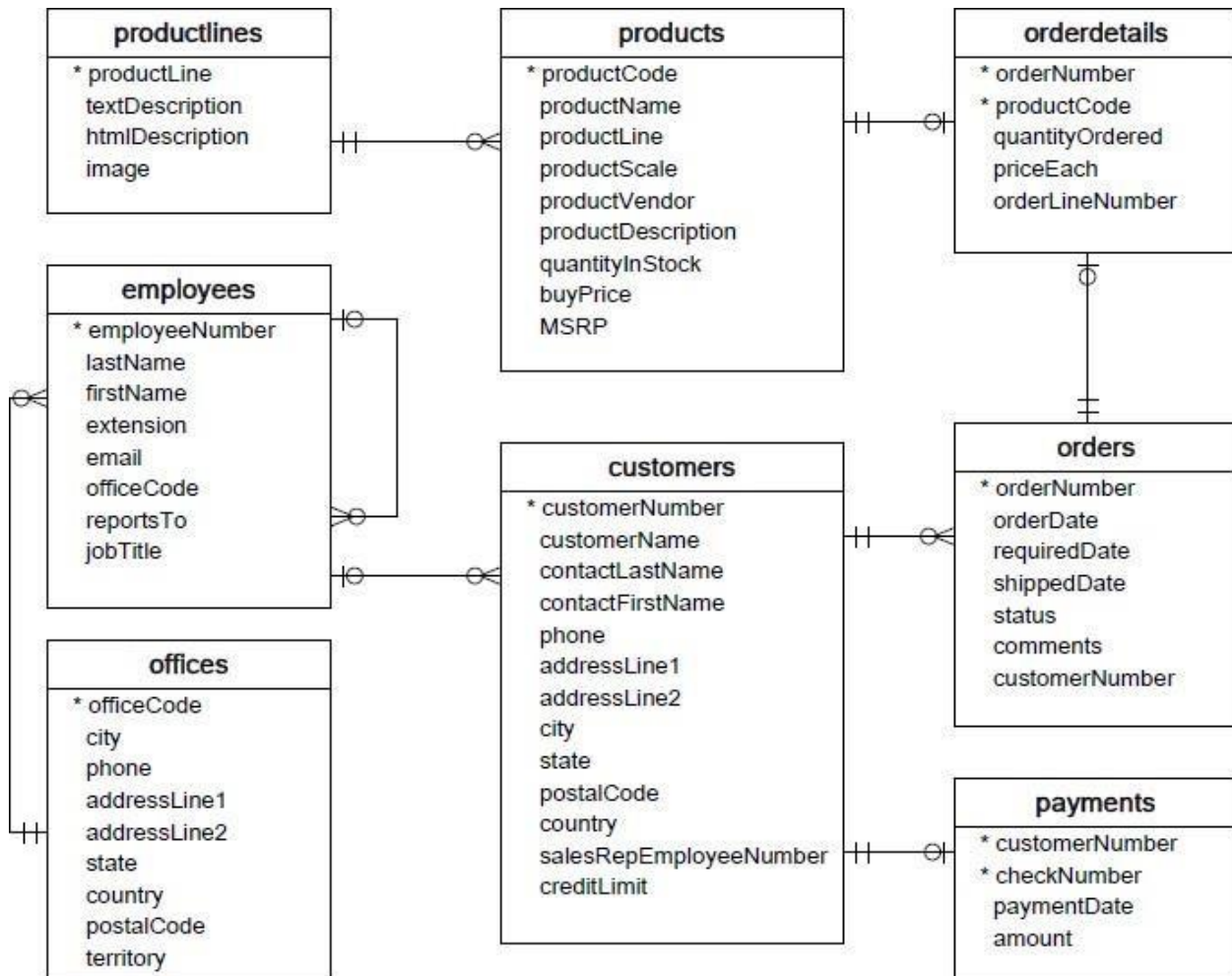


WORKSHEET 4 SQL

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
  orderNumber,
  status
FROM
  orders
ORDER BY
  FIELD(status,
    'In Process',
    'On Hold',
    'Cancelled',
    'Resolved',
    'Disputed',
    'Shipped');
```

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

Ans:

```
SELECT
  orderNumber,
  status
FROM
  orders
ORDER BY
  FIELD(status,
    'In Process',
    'On Hold',
    'Cancelled',
    'Resolved',
    'Disputed',
    'Shipped');
```

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

Ans:

```
SELECT
  ProductName
FROM
  Products
WHERE
  Min MSRP;
```

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

ANS : **SELECT**
 ProductName
 FROM
 Products
 WHERE
 MAX quantityInStock;

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

ANS : **SELECT** ProductName
FROM Products
WHERE
MAX orderNumber ;
FROM
Orderdetails

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

Ans: .
 Select Customername
 from Customers
 where salary = (select max(salary) from Customers)

7. Write a SQL query to show customerNumber, 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 name of all the customers whose name start with "N".

Ans:
 SELECT contact_last_name , contact_first_name
 FROM Customers
 WHERE (first_name) like 'N';

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

Ans: **SELECT** customer_name, customer_no
FROM customer
WHERE PHONE_NO = 7 , City = 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
FROM Customers
WHERE creditLimit<1000 and city = "Las Vegas" or "Nantes" or "Stavern";

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

ANS: SELECT *orderNumber
FROM orderdetails
WHERE quantityOrdered<10;

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

ANS : SELECT*orderNumber , customerNumber
FROM customers,orders
WHERE customerName like 'N';

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

Ans: SELECT*status , customerNumber
FROM customers,orders
WHERE customerName is "Disputed" in status ;

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

ANS :
SELECT CustomerName , customerNumber
FROM customers,paymensts
WHERE checkNumber starting with H and paymentDate on "2004-10-19";

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

Ans: SELECT checkNumber
FROM payments
WHERE amount >1000;