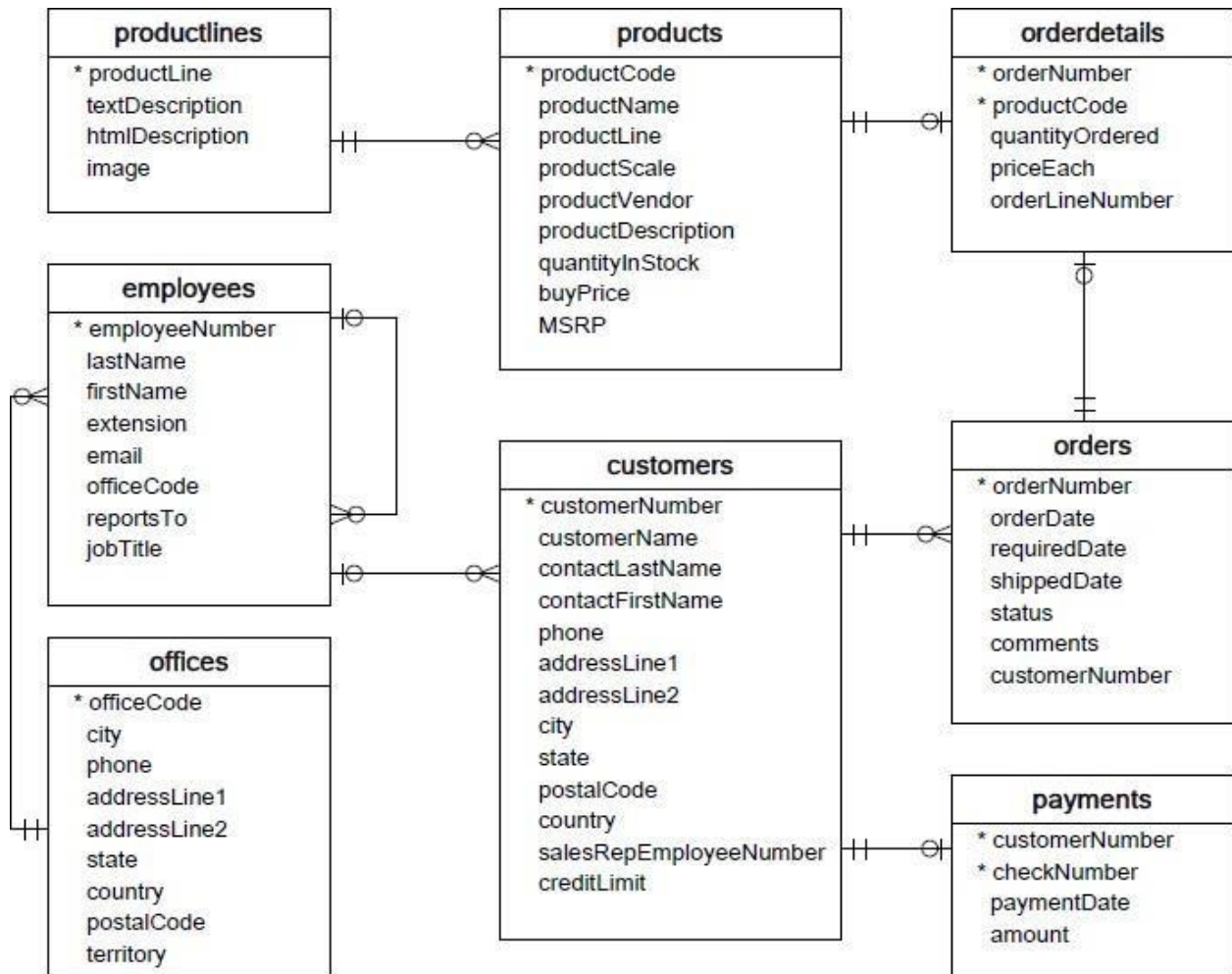


WORKSHEET 4 SQL

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).
2. Write a SQL query to show average number of orders placed in a day.
3. Write a SQL query to show the product name with minimum MSRP (use Products table).

```
SELECT productName FROM products WHERE (SELECT MIN(MSRP) FROM products) ;
```

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

```
quantitSELECT productName FROM products WHERE (SELECT MAX(quantityInStock) FROM products) ;
```

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

```
SELECT productName FROM products WHERE (SELECT MAX(quantityOrdered) FROM products) ;
```

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

```
SELECT customerName FROM customers WHERE (SELECT MAX(amount) FROM payments) ;
```

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

```
SELECT customerNumber,customerName FROM customers WHERE customers.city = 'Melbourne' ;
```

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

```
SELECT customername FROM customers SELECT orderNumber FROM orders o LEFT JOIN customers c  
ON c.customerNumber = o.customerNumber WHERE c.customerName like 'N%';
```

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

```
SELECT customername FROM customer WHERE customers.phone like '7%' AND customers.city = 'LAS  
VEGAS';
```

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

```
SELECT customername FROM customer WHERE customers.creditLimit < 1000 AND customers.city = 'LAS  
VEGAS' OR 'NANTES' OR 'STAVERN';
```

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

```
SELECT orderNumber FROM orderdetails WHERE orderdetails.quantityOrdered <10;
```

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

```
SELECT orderNumber FROM orders SELECT customerName FROM customers c LEFT JOIN orders o  
ON o.customerNumber = c.customerNumber WHERE c.customerName like 'N%';
```

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

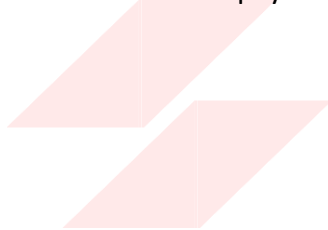
```
SELECT customerName FROM customers WHERE orders.status = "Disputed";
```

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

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

```
SELECT checkNumber FROM payments WHERE payments.amount > 1000;
```



FLIP ROBO
