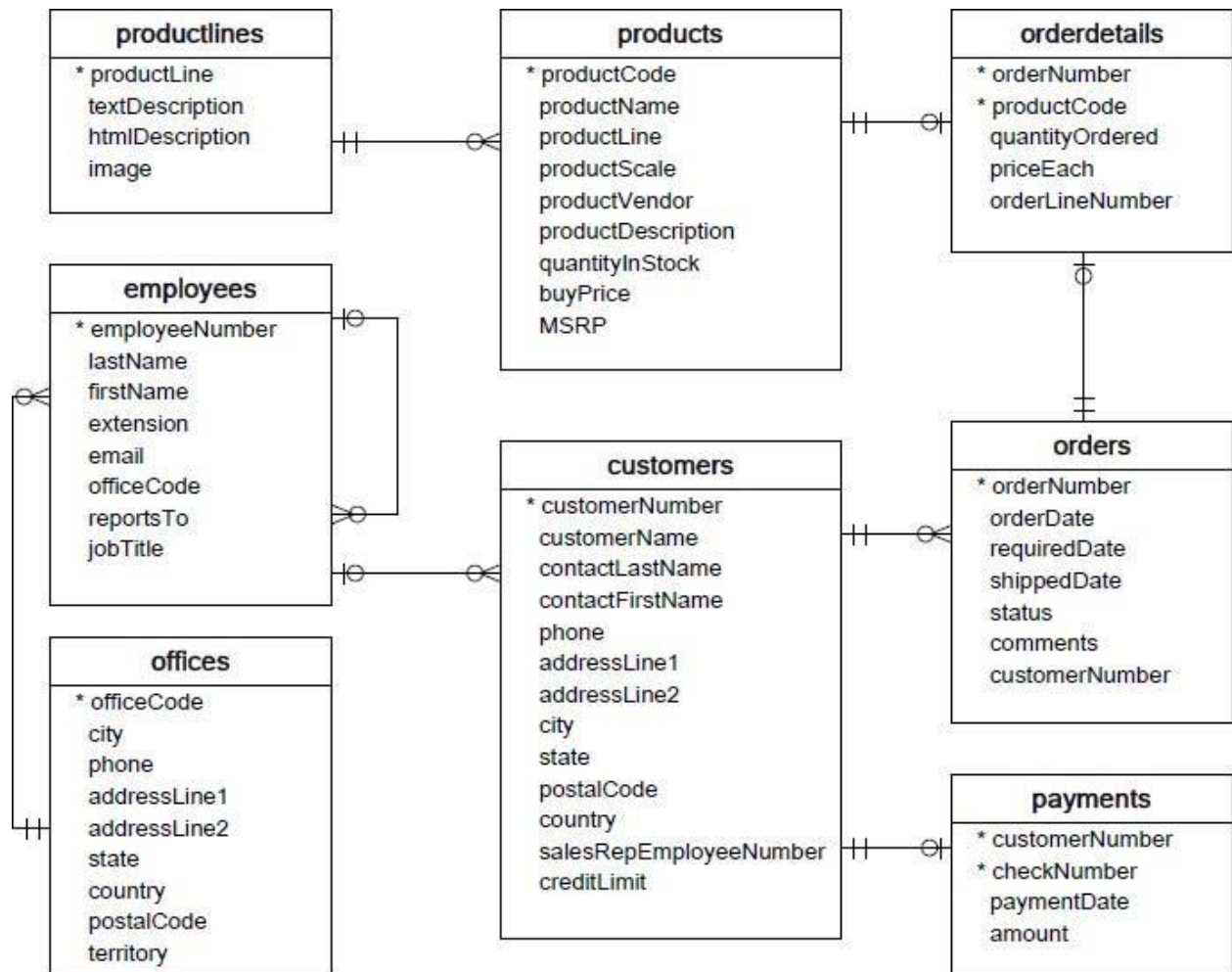


## WORKSHEET 4 SQL

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).

**Answer –**

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

---

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

**Answer –**

```
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 Products table).

**Answer –**

```
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.

**Answer –**

```
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).

**Answer –**

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

---

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

**Answer –**

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

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

**Answer –**

```
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".

**Answer –**

```
Select *
From customers
Where 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'.

**Answer –**

```
select customerName
From customers
Where phone like "7%" and city = "LasVegas";
```

---

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".

**Answer –**

```
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.

**Answer –**

```
Select orderNumber
From orders
Where quantityOrdered < 10;
```

---

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

**Answer –**

```
Select orderNumber
From orders
Where customerName like "N%";
```

---

---

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

**Answer** –

```
Select customerNumber
From orders
Where status = “Disputed”;
```

---

14. 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”.

**Answer** –

```
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.

**Answer** –

```
Select checkNumber
From payments
Where amount > 1000;
```

---