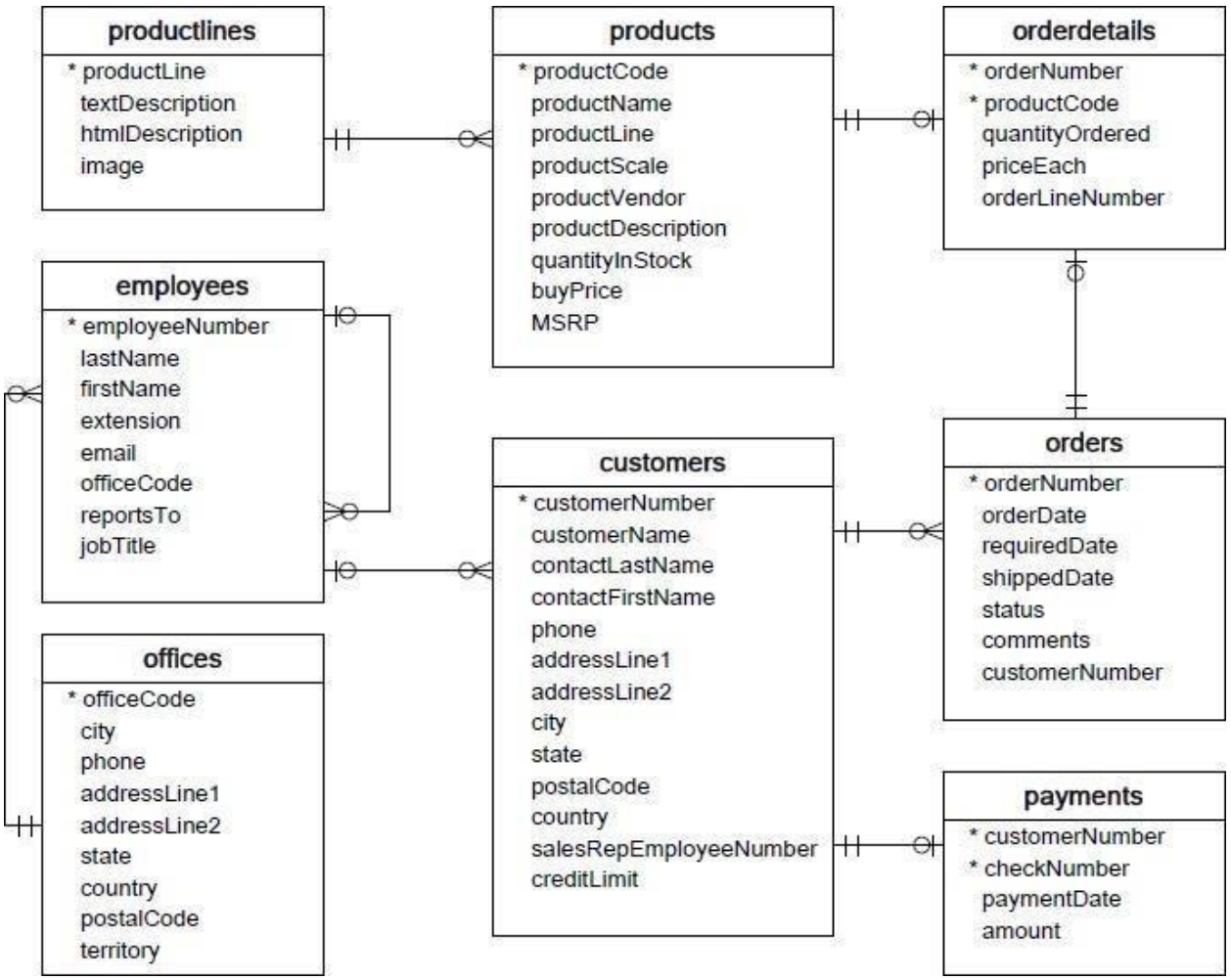
WORKSHEET 4 SQL

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 towhom.
- **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);
```

7. ***Write a SQL query to show cutomerNumber, 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 –

```
Where amount > 1000;
```