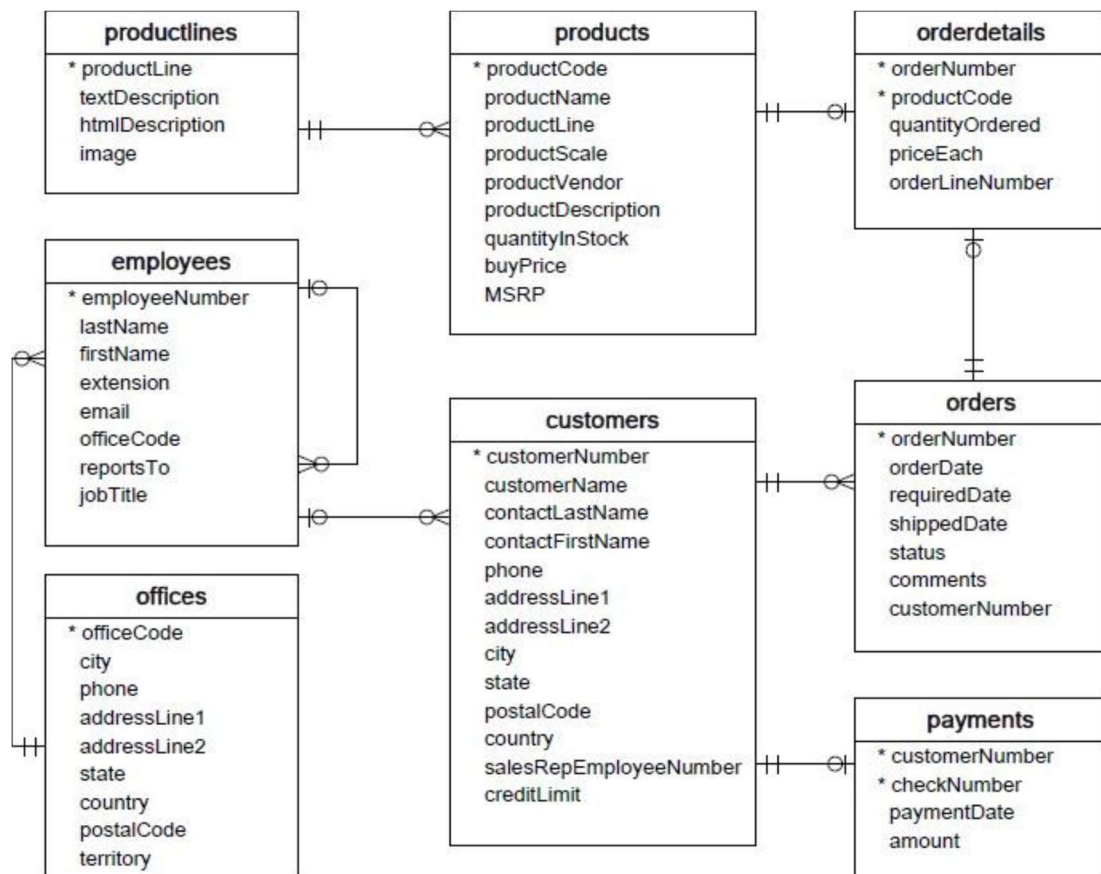# SQL WORKSHEET-4¶

1. **Customers**: stores customer's data.
2. **Products**: stores a list of scale model cars.
3. **Product Lines**: stores a list of product line categories.
4. **Orders**: stores sales orders placed by customers.
5. **Order Details**: stores sales order line items for each sales order.
6. **Payments**: stores payments made by customers based on their accounts.
7. **Employees**: stores all employee information as well as the organization structure such as who reports to whom.
8. **Offices**: stores sales office data.

Refer the following ERD and answer all the questions in this worksheet. You have to write the queries using MySQL for the required Operation.¶

SQL WORKSHEET-4¶

1. **Write a SQL query to show average number of orders shipped in a day (use Orders table).**

> select avg(orderNumber) from order where status="shipped";

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

> select avg from order where orderDate="2008-10-02";

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

> select productName from products where MSRP=(select MIN(MSRP) from products);

4. **Write a SQL query to show the product name with maximum value ofstockQuantity.**

> 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).**

> slect p.productName from product as p INNER JOIN orderDetails as o on p.productCode=o.productCode where o.quantityOrdered=(select MAX.quantityOrdered);

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

> 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.**

> select customerNumber, customerName from customer where city="Melbourne";

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

> select customerName 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'.**

> 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".**

> select customerName from customers where creditLimit < 1000 and city="LasVegas" or "Nantes" or "Stavern";

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

SQL WORKSHEET-4¶

--> select orderNumber from orderDetails where quantityOrdered < 10;

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

--> select o.orderNumber from orders as o Inner Join cutomers as c ON c.customerNumber = o.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 orders where status = "Disputed";

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

--> select c.customerName from customers as c Inner Join payment as p on c.customerNumber = p.customerNumber where p.chequeNumber like "H%" and p.paymentDate = "2004-10-19";

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

--> select checkNumber from payments where amount > 1000;