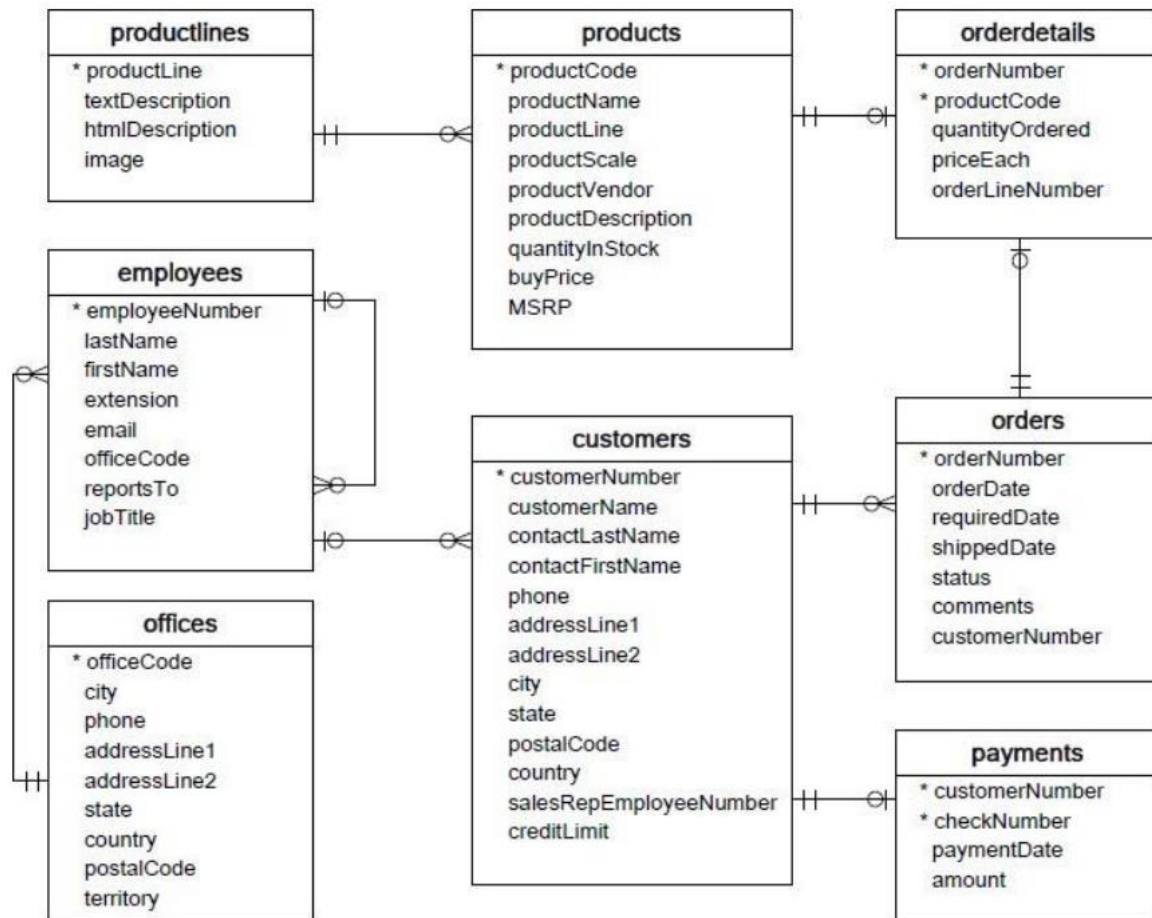


## WORKSHEET 4 SQL



- 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.

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

**Ans** – SELECT shippedDate, Avg (orderNumber) FROM Orders GROUP BY shippedDate;

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

**Ans** – SELECT orderDate, Avg (orderNumber) FROM Orders GROUP BY orderDate;

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

**Ans** - select productName, min(MSPR) from products;

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

**Ans** - select productName, max(stockQuantity) from products;

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

**Ans** - select productName, count(productName) from products GROUP BY productCode ORDER BY count(productName) DESC limit 1;

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

**Ans** - select customers.customerName, payments.amount from customers  
INNER JOIN payments ON  
customers.customersNumber=payments.customersNumber ORDER BY amount  
DESC limit 1;

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

**Ans** - select customersNumber, customerName from customers where city IN  
( ' Melbourne ' );

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

**Ans** - 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'.**

**Ans** - select customerName from customers where customersNumber LIKE '7%'  
AND city IN ('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".**

**Ans** - select customerName, creditLimit, city from customers where  
creditLimit<1000 and city IN ('Las Vegas' , 'Nantes' , 'Stavern');

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

**Ans** - select orderNumber from orders where quantityordered <10

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

**Ans** - select orders.orderNumber from orders INNER JOIN customers ON  
orders.customersNumber = customers.customersNumber where  
customerName LIKE 'N%';

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

**Ans** - select customers.customerName from customers INNER JOIN orders ON  
customers.customersNumber = orders.customersNumber 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".**

**Ans** - select customers.customerName from customers INNER JOIN payments  
ON customers.customersNumber = payments.customersNumber where  
checkNumber LIKE 'H%' and paymentDate = "2004-10-19" ;

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

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