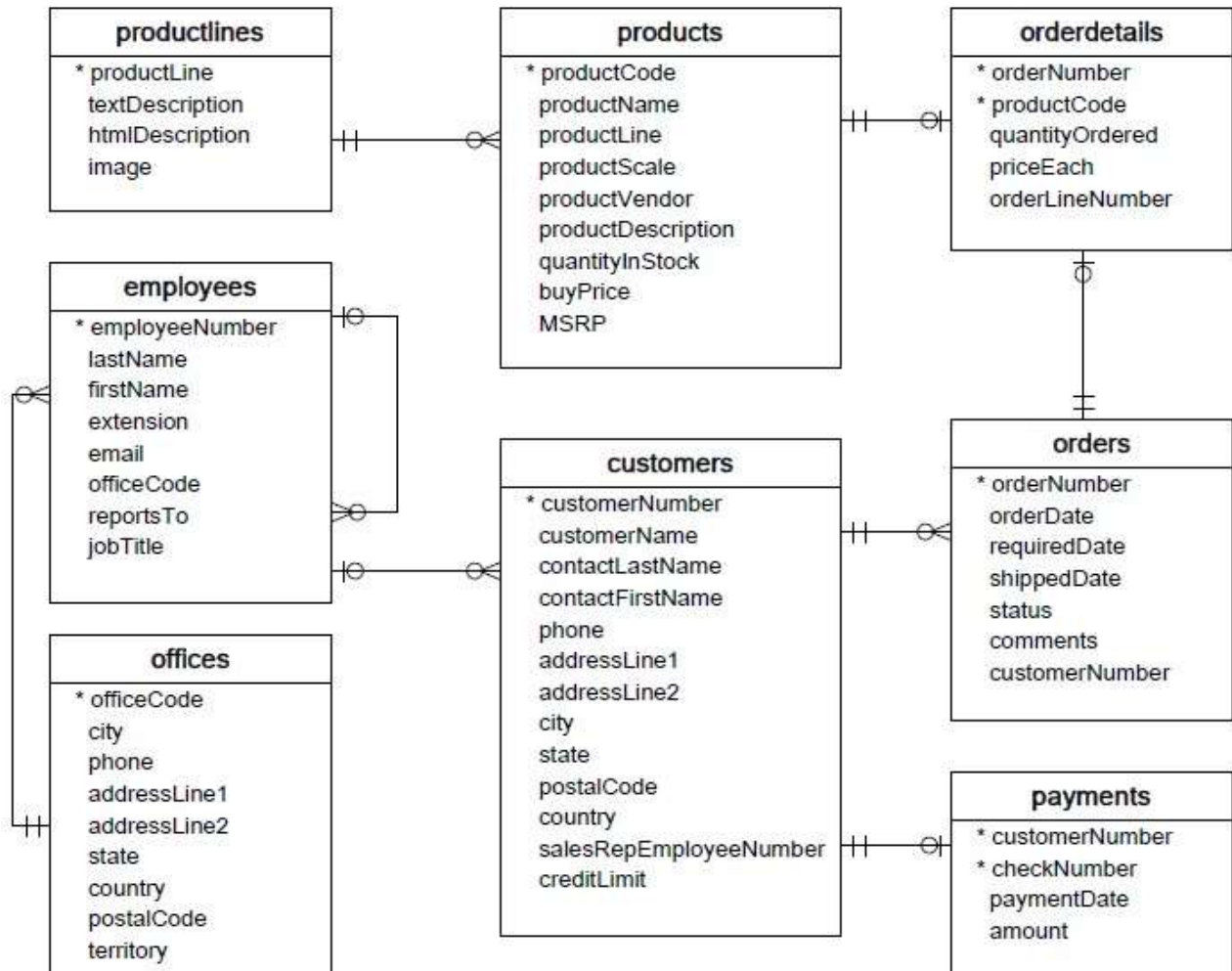


SQL – WORKSHEET 4

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.
- ProductLines: stores a list of product line categories.
- Orders: stores sales orders placed by customers.
- OrderDetails: 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 SQL query to show average number of orders shipped in a day (use Orders table).**
Select
 2. **Write SQL query to show average number of orders placed in a day.**
 3. **Write SQL query to show the product name with minimum MSRP (use Products table).**
Select productName from products where MSRP=(select min(MSRP) from products);
 4. **Write SQL query to show the product name with maximum value of stockQuantity.**
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).**
Select productName from products
Inner join orderdetails
On product.productcode=orderdetails.productcode
Where orderdetails.quantityOrdered=(select max(quantityOrdered) from orderdetails);
 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 customerNumber, customerName of all the customers who are from Melbourne city.**
Select customerNumber, customerName from customers where city= 'Melbourne city';
 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 'Las Vegas'.**
Select customerName from customers where phone like '7%' and 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 customers where creditLimit<1000 and 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 orerdeatils where quantityOrdered<10;
 12. **Write a SQL query to show all the orderNumber whose customer Name start with letter N.**
Select orderNumber from orders
Inner join customers
On orders.customerNuumber=customers.customerNumber
Where customer.CustomerName like ‘N%’;
 13. **Write a SQL query to show all the customerName whose orders are “Disputed” in status.**
Select customerName from customers
Inner join orders
On customers.customerNumber= orders.customerNuumber
Where orders.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”.**
Select customerName from customers
inner join payments
on customers.customerNumber=payments.customerNumber
where payments.checkNumber like ‘H%’ and payments.paymentDate= “2004-10-19”;
 15. **Write a SQL query to show all the checkNumber whose amount > 1000.**
Select checkNumber from payments where amount>1000;
-