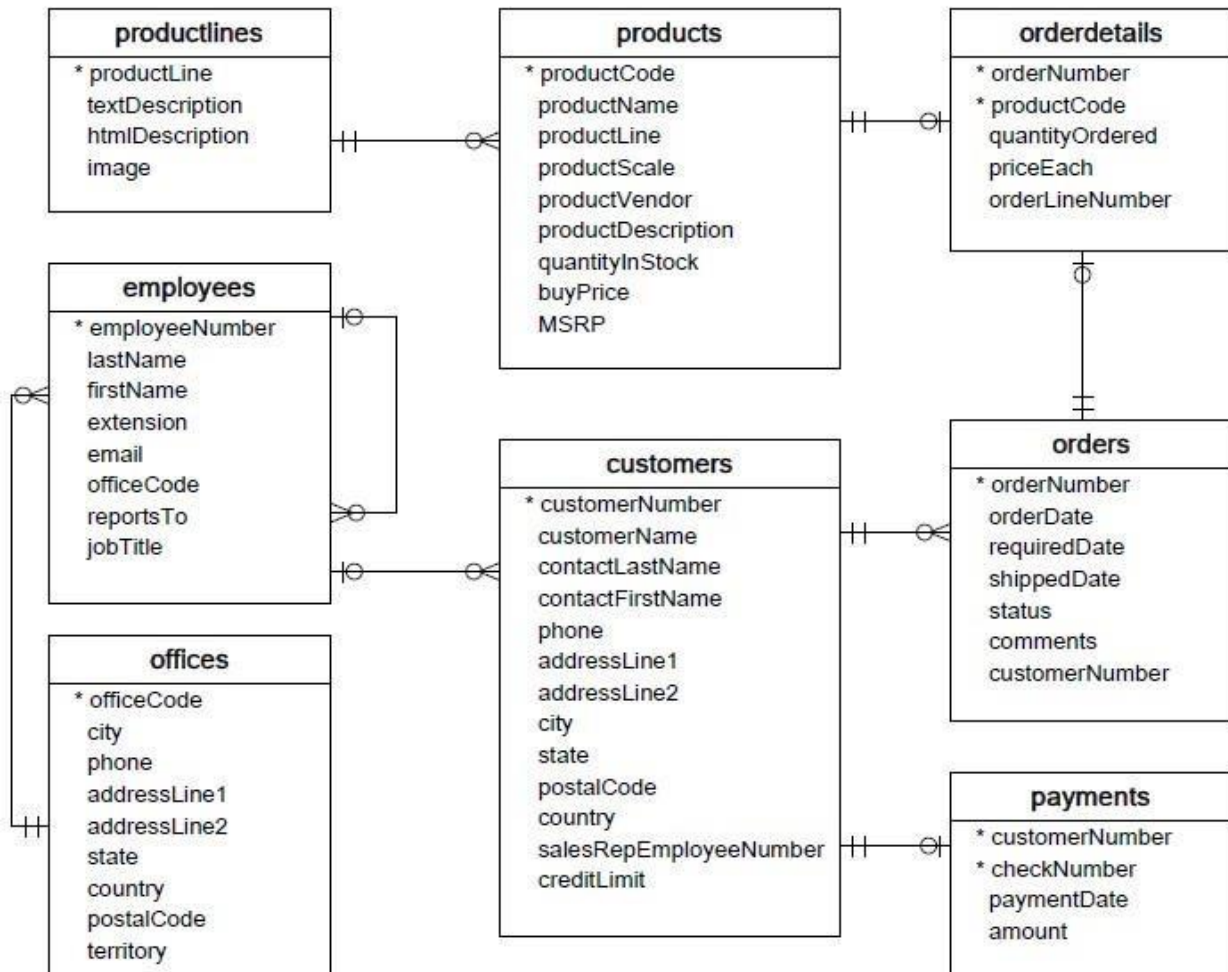


WORKSHEET 3 SQL

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.
- **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.

1. Write SQL query to create table **Customers**.

Solution-

Create table customer(customerNumber, customerName, contactLastName, contactLastNmae, phone, addressLine1, addressLine2, city, state, postalCode, country, salesRepEmployeeNumber, creditLimit);

2. Write SQL query to create table **Orders**.

Solution-

Create a table Orders

(orderNumber, orderDate, requiredDate, shippedDate, status, comments, customerNumber);

3. Write SQL query to show all the columns data from the **Orders** Table.

Solution-

Select * from Orders;

4. Write SQL query to show all the comments from the **Orders** Table.

Solution-

Select * from Orders;

Select * from comments;

5. Write a SQL query to show orderDate and Total number of orders placed on that date, from **Order**stable.

Solution-

Select * from Orders where orderDate=YYYY-MM-DD

6. Write a SQL query to show employeeNumber, lastName, firstName of all the employees from **employees** table.

Solution-

Select employeeNumber,lastName,firstName from employees

7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

Solution-

Select * from orderName;

Select * from customerName;

8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column

Solution-

SELECT customerName from table1 RIGHT JOIN table2 ON customerName.table1=table2.saleremployee;

9. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the **payments** table.

Solution-

Select paymentDate from table1 RIGHT JOIN amount from table payments;

10. Write a SQL query to show all the products productName, MSRP, productDescription from the **products** table.

Solution-

Select * from productName;

Select * from MSRP;

Select * productDescription;

11. Write a SQL query to print the productName, productDescription of the most ordered product.

Solution-

Select COUNT (productName , productDescription),

Product From customers Group by product

Order by COUNT (productName, productDescription) Desc;

12. Write a SQL query to print the city name where maximum number of orders were placed.

Solution-

Select MAX(orderNumbers) From city;

13. Write a SQL query to get the name of the state having maximum number of customers.

Solution-

```
Select MAX(customers) From state
```

14. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

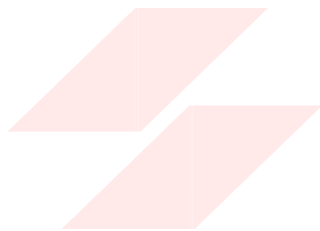
Solution-

```
select employeeNumber, concat((firstName,'',lastName) as fullname from employees;
```

15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered \times priceEach).

Solution-

```
select orders.orderNumber, customers.customerName,  
oderdetails.quantityOrdered*orderdetails*priceEach as totalamount from ((orders inner join customerson  
orders.customerNumber=customer.customerNumber) inner join orderdetails on  
orders.orderNumber=orderdetails.orderNumber)
```



FLIP ROBO