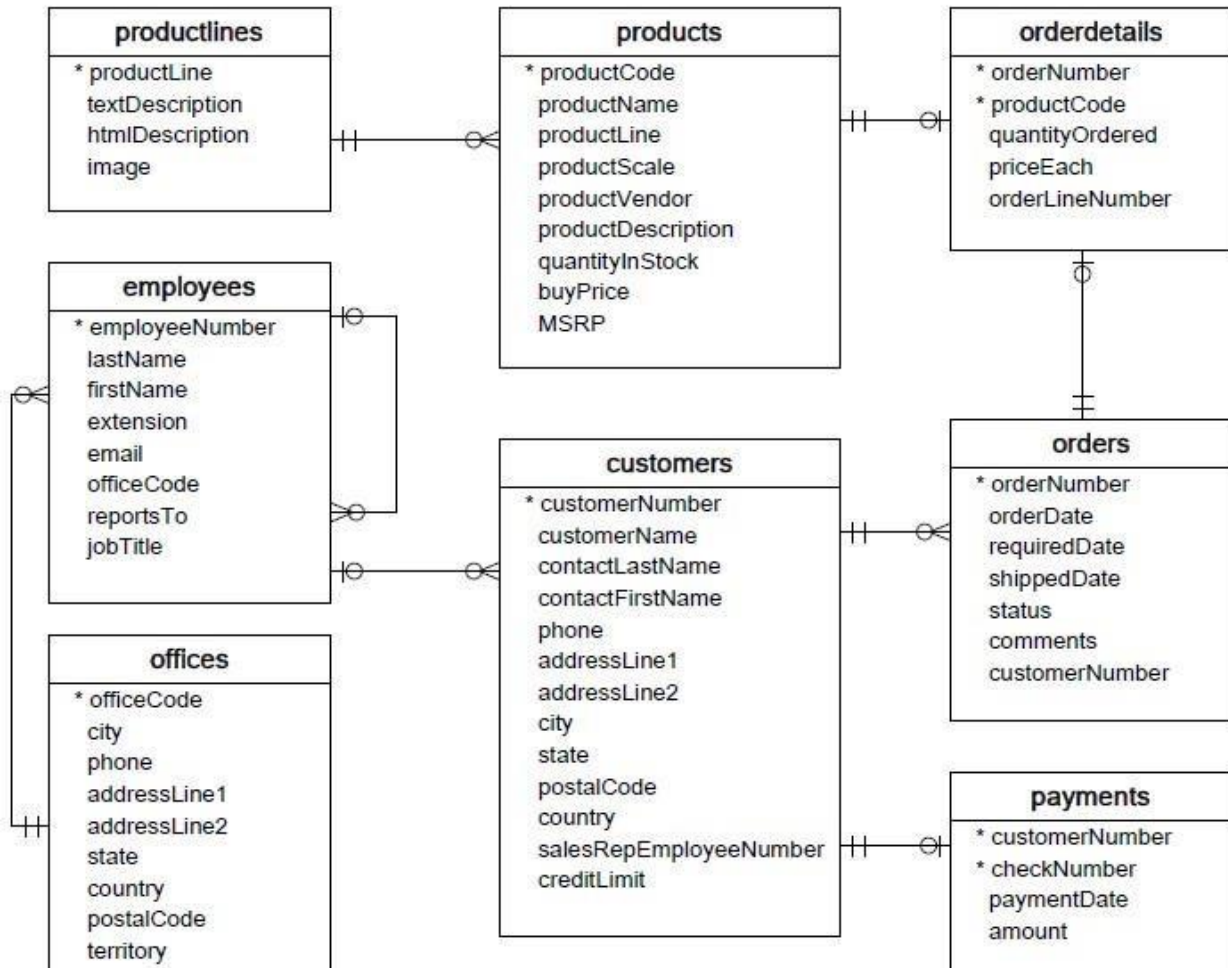


## WORKSHEET 3 SQL

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**.

**Ans - CREATE TABLE Customers (**  
**Customer number int,**  
**Customer name varchar(255),**  
**contactFirstName varchar(255),**  
**contactLast name varchar (255),**  
**Address varchar(255),**  
**City varchar(255),**  
**State varchar(255),**  
**Postal code int ,**  
**Country varchar(255),**

**Salesrepemployee number int ,**  
**Credit limit int**  
);

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

**Ans** – create table Orders (  
    Order number int,  
    order date Date,  
    required date Date,  
    shipped date Date,  
    status varchar(255),  
    Comments varchar(255),  
    Customer number int  
);

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

**Ans** – **Select \* from Orders**

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

**Ans** - Select comments from Orders

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

**Ans** – Select order date , order number From Orders  
    Group by order date

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

**Ans** – Select employeeNumber, lastName, firstName  
    From employees

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

**Ans** – Select order number , customer name  
    From Orders as O Customers as C  
    Where O.customer number = C. customer number

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

**Ans** – Select customer name , salerepemployee From Customers



## WORKSHEET

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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.

**Ans** - Select paymentdate , amount  
    From payments  
    Groupby paymentsdate

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

**Ans** - **Select** productName, MSRP, productDescription  
    **From Products**

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

**Ans –** Select productName, productDescription

From Products

Where product code = (select product code from orderdetails  
orderby quantityorder desc  
limit (1))

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

Ans - Select city From customers C , orders O

Where C. customernumber = O.customernumber and

O.ordernumber = (select ordernumber from orderdetails  
orderby quantityorder desc  
limit (1))

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

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.

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



