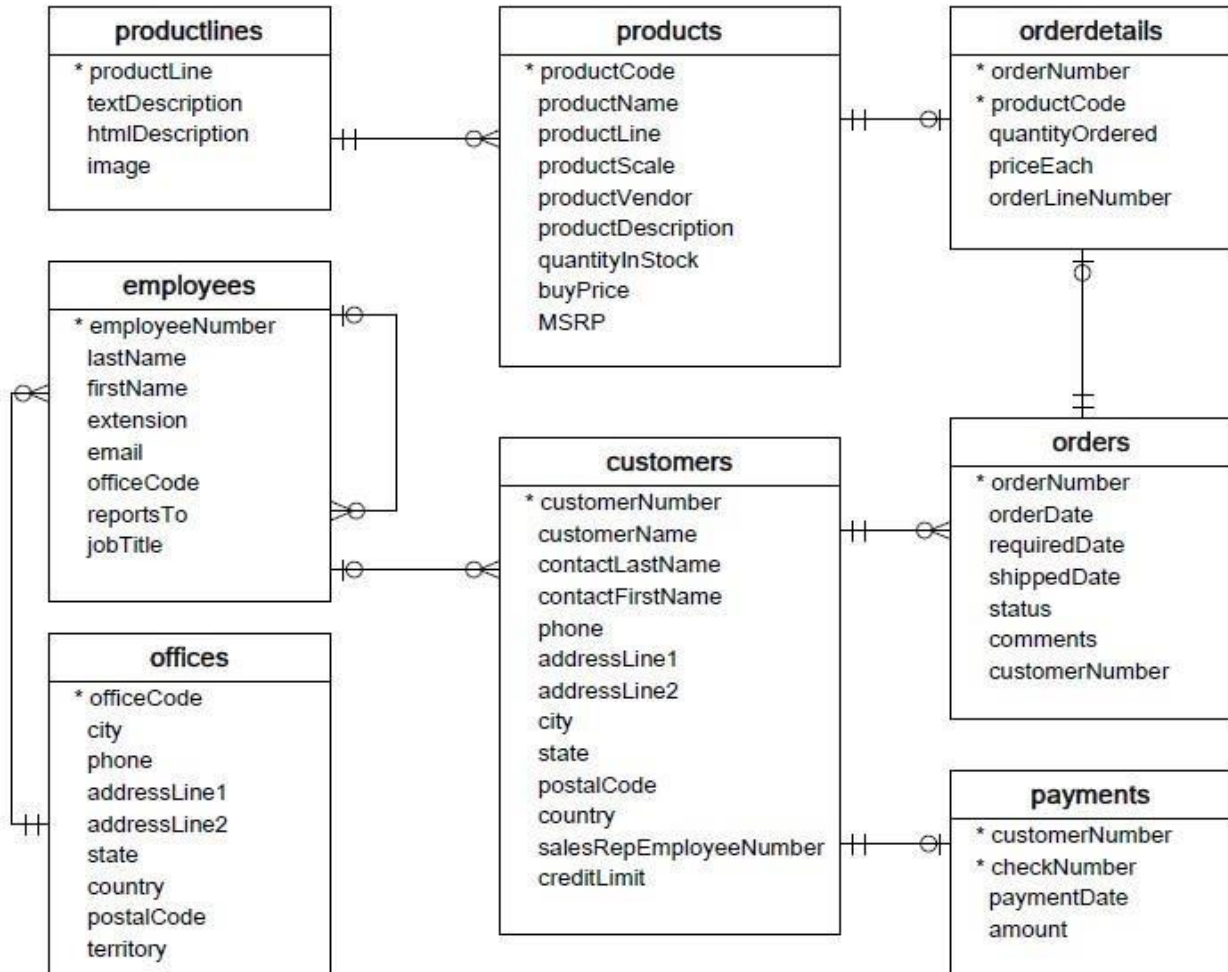


## WORKSHEET 3 SQL

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 NOT NULL,
  customer_name char(50) NOT NULL,
  contacttLastName char(50),
  contacttFirstName char(50),
  Phone, int NOT NULL,
  AddressLine1 char(50),
  AddressLine2 char(50),
  City char(50),
  State char(50),
  Postal Code int NOT NULL (50),
  Country char(50),
  SalesReportEmpNumber int NOT NULL (50),
  Credit limit int NOT NULL (50),
);
```

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

Ans:

```
CREATE TABLE Orders
( order number int NOT NULL,
  orderDate date,
  requiredDate date,
  shippedDate date,
  status char(50),
  comments char(50),
  customerNumber int NOT NULL
);
```

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

```
SELECT *
FROM orders
```

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

```
SELECT *
FROM orders
```

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

```
SELECT orderDate,requiredDate,shippedDate
FROM orders
```

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

```
SELECT employeeNumber, lastName, firstName  
FROM employees
```

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

```
SELECT orderNumber, customerName  
FROM orders;
```

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

```
SELECT customerName salerepemployee name  
FROM orders;
```

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.

```
SELECT payment Date, Amount  
FROM payments;
```

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

```
SELECT productName, MSRP, productDescription  
FROM products;
```

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

```
SELECT productName, productDescription  
FROM products;
```

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

```
SELECT MAX (City)  
FROM Cutomers  
WHERE condition
```

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

```
SELECT MAX (State)  
FROM Cutomers  
WHERE condition
```

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.

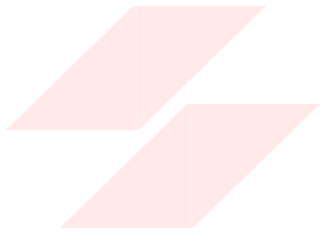
```
SELECT employee number, concat(FirstName, lastName) as "Fullname"  
FROM employess
```

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

```
SELECT order Number, customer Name , quantityOrdered × priceEach AS Totalamount  
FROM orderdeatils
```

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# FLIP ROBO