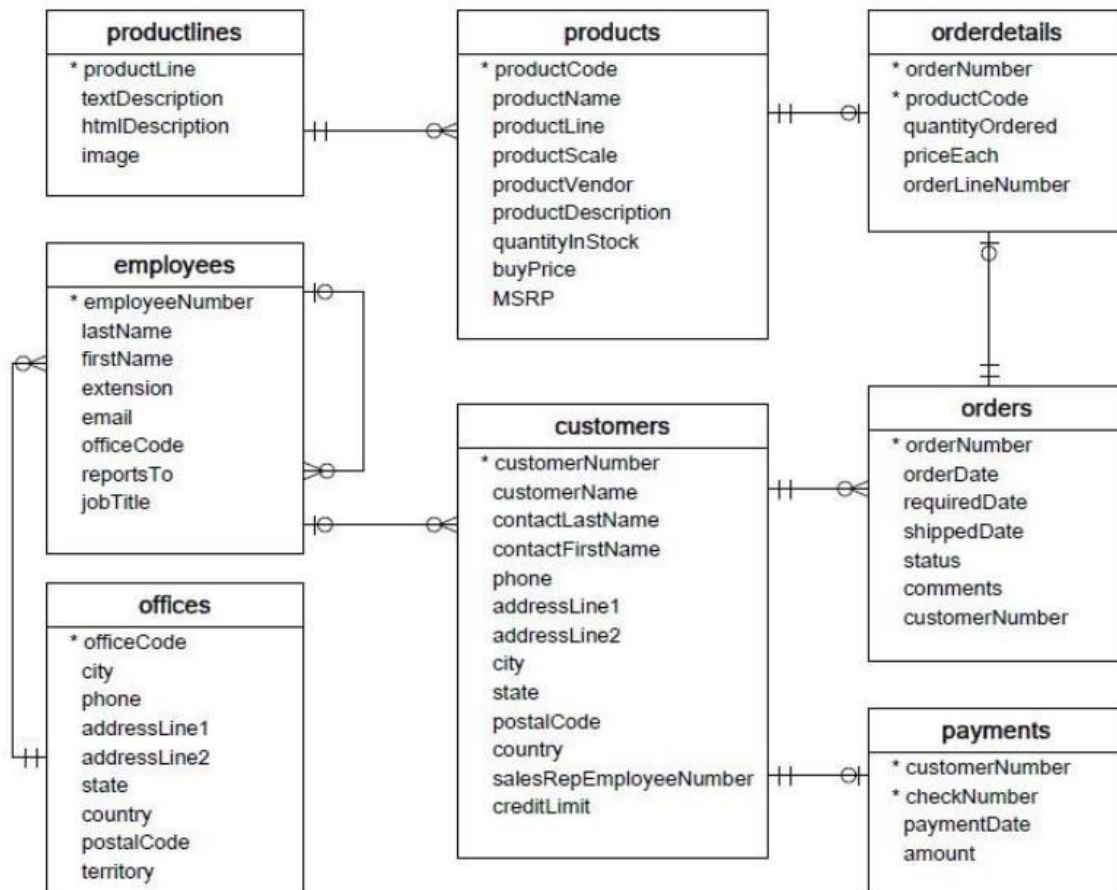


## WORKSHEET

### 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.

```
CREATE TABLE Customers(customerNumber int(6) NotNULL, customerName char(20)
NotNULL, contactLastName char(10) NULL, contactFirstName char(10) NotNULL, phone int(10)
NotNULL, addressLine1 char(50) NULL, addressLine2 char(50) NULL, city char(10) NotNULL, state char(10)
NotNULL, postalcode int(7) NULL, country char(10) NotNULL, salesRepEmployeeNumber int(6) NotNULL
, creditLimit int(10) NotNULL)
```

2. Write SQL query to create table Orders.

```
CREATE TABLE Orders(orderNumber int(6) NotNULL, orderDate datetime(8)
NotNULL, requiredDate datetime(8) NotNULL, shippedDate datetime(8) NotNULL, status, comments
char(20) NULL, customerNumber int(10) NotNULL)
```

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

```
SHOW TABLE Orders
```

4. Write SQL query to show all the comments from the OrdersTable.

```
Select * from Orders (comments)
```

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

```
Select Distinct * from Orders (ordersNumbers), where orderDate=11-06-22
```

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

```
Select * from employees (employeeNumber, lastName, firstName)
```

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

```
Select Distinct * from Orders (orderNumber, customerName), where status=urgent
```

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

```
Select * from customers (customerName, salesRepEmployeeNumber)
```

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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.

```
Select * from payments(paymentDate, amount)
```

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

```
Select * from products(productName, MSRP, productDescription)
```

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

```
Select * from products(paymentDate, amount
```

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

```
Select * customers.customerNumber, customers.city,orders. customerNumber, orders.  
orderNumber from customers INNERJOIN orders on customers.customerNumber= orders.  
customerNumber  
  
print (city) where city=city(mode)
```

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

```
SELECT*DISTNINT count(state), max(customerNumber) from 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.

```
SELECT* from employees (employee number,firstName,LastName )  
  
print (employee number,concat(firstName,LastName) from employees
```

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

```
SELECT*DISTNINT count(OrderNumber), max(customerNumber) from orderdetails  
  
Select * orderdetails.customerNumber, orderdetails.quantityOrdered, orderdetails.priceEach  
,orders. customerNumber, from orderdetails INNERJOIN orders on orderdetails.customerNumber =  
orders. customerNumber  
  
Select * orderdetails.customerNumber, orderdetails.quantityOrdered, orderdetails.priceEach,  
from customer INNERJOIN ordersdetails
```