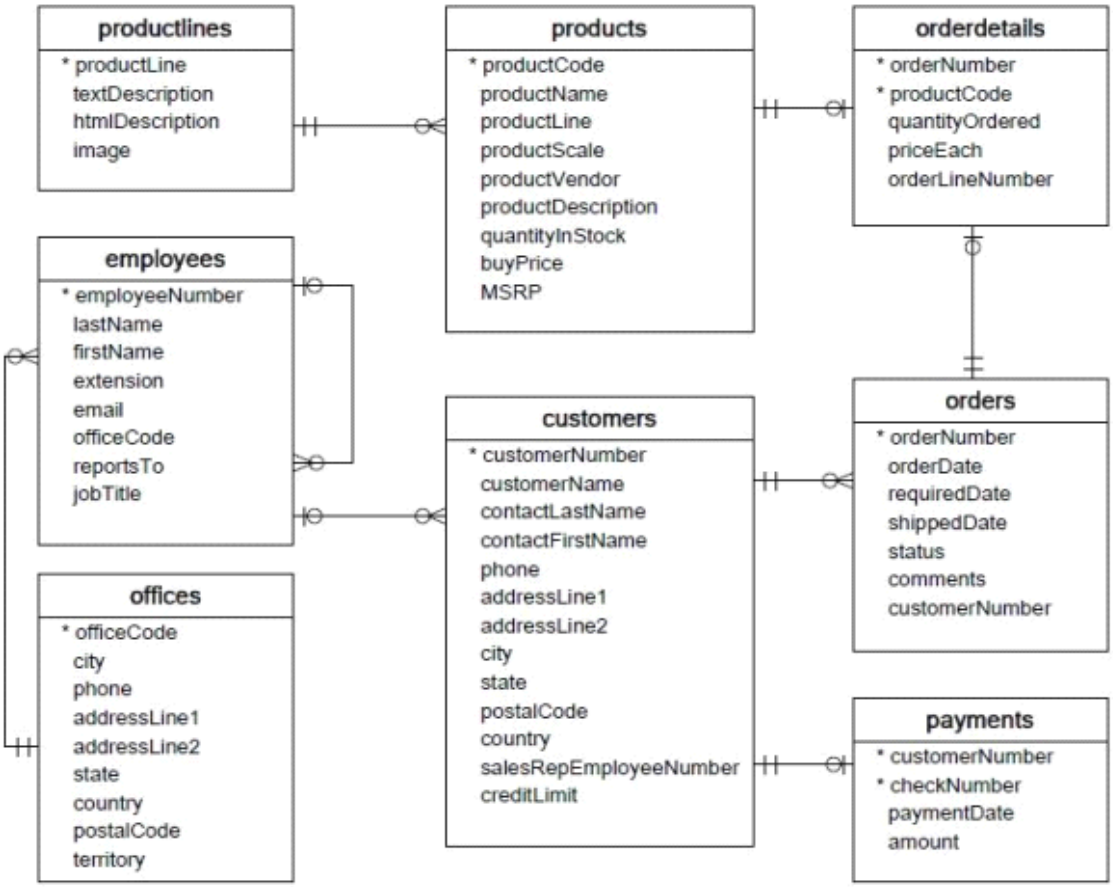
WORKSHEET 3 SQL-3

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

```
(customerNumber          Number(10),
customerName             char(20),
contactLastName          varchar(20),
contactFirstName         varchar(20),
phone                    number(10),
addressLine1             varchar(30),
addressLine2             varchar(30),
city                     varchar(20),
state                    char(20),
postalcode               number(10),
country                  char(15),
salesRepEmployeeNo       number(10),
creditLimit              number(10));
```

2. Write SQL query to create table Orders.

ans:- Create table Orders

```
(ordernumber             number(20),
Orderdate                date,
Requireddate             date,
Shippeddate              date,
Status                   varchar(20),
Comments                 varchar(30),
customerNumber           number(12));
```

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 OrdersTable.

ans:- Select comments

From orders;

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

ans:- Select orderdate, requireddate, shoppeddate

From orders;

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

ans:- Select employNumber, lastname, firstName

From employees;

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

ans:- Select orderNumber, customerName

From orders;

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

ans:- Select customerName, salerepemployeename

From customer;

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;

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;

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

ans:- select MAX(city)

From customers;

where condition;

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

ans:- select MAX(state)

From customers;

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.

ans:- select employeenumber, concat(firstname, lastname) as

'completename'

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).

ans:- select ordernumber, customername

From order, customer;