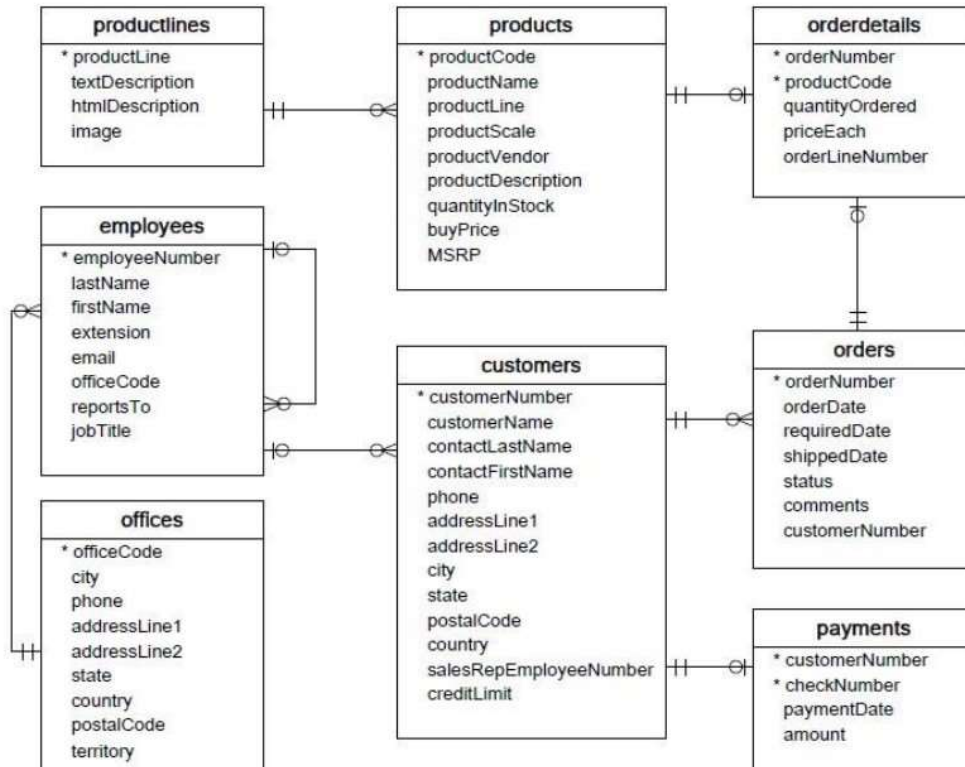


SQL ASSIGNMENT-3

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.

Q1) Write SQL query to create table Customers?

Ans1) (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));

```

Q2) Write SQL query to create table Orders.

Ans2) Create table Orders

```

(ordernumber   number(20),
Orderdate     date,
Requireddate  date,
Shippeddate   date,
Status        varchar(20),
Comments      varchar(30),
customerNumber (number12));

```

Q3) Write an SQL query to show all the column data from the Orders Table.

Ans3) Select * from orders;

Q4) Write an SQL query to show all the comments from the OrdersTable.

Ans4) Select comments

From orders;

Q5) Write a SQL query to show the order date and the Total number of orders placed on that date, from Orderstable.

Ans5) Select orderdate, requireddate, shippeddate

From orders;

Q6) Write a SQL query to show the employee number, lastname, firstname of all the employees from employees table.

Ans6) Select employeeNumber, lastname, firstname

From employees;

Q7) Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

Ans7) Select ordernumber, customerName

From orders;

Q8) Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.

Ans8) Select customerName, salerepemployee

From customer;

Q9) 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.

Ans9) Select paymentDate,Amount

From payments;

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

Ans10) Select productName, MSRP, productDescription

From products;

Q11) Write a SQL query to print the productName, productDescription of the most ordered product.

Ans11) Select productName, productDescription

From products;

Q12) Write a SQL query to print the city name where maximum number of orders were placed.

Ans12) select Max(city)

From customers;

Where condition;

Q13) Write a SQL query to get the name of the state having maximum number of customers.

Ans13) select Max(state)

From customers;

Where condition;

Q14) 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.

Ans14) select employeenumber, concat(firstname, lastname)as 'completename'

From employees;

Q15) Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).

Ans15) select ordernumber, customername

From order,customer;