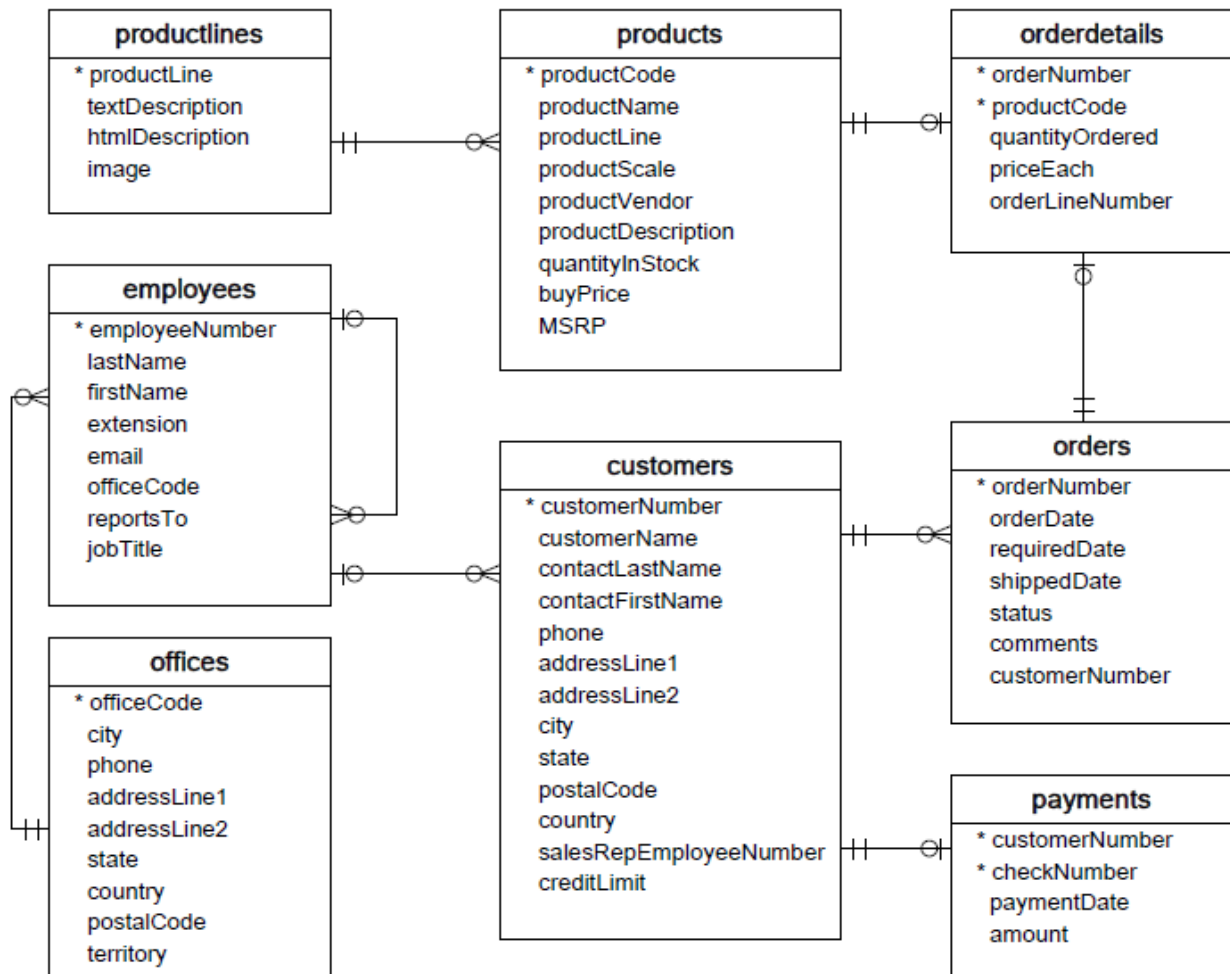# SQL – WORKSHEET 3

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.**
2. Write SQL query to create table **Orders.**
3. Write SQL query to show all the columns data from the **Orders** Table.
4. Write SQL query to show all the comments from the **Orders** Table.
5. Write a SQL query to show orderDate and Total number of orders placed on that date, from **Orders** table.
6. Write a SQL query to show employeNumber, lastName, firstName of all the employees from **employees** table.
7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.
8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.

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.
10. Write a SQL query to show all the products productName, MSRP, productDescription from the **products** table.
11. Write a SQL query to print the productName, productDescription of the most ordered product.
12. Write a SQL query to print the city name where maximum number of orders were placed.
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).

1 answer:
create table customers(
customer number int,
customer name varchar(10),
contact last name varchar(10),
contact first name varchar(10),
phone int,
addressLine1 varchar(25),
adressLine2 varchar(25),
city varchar(10),
state varchar(10),
Postal code int,
country varchar(10),
salesRepEmployeeNumber int,
creditLimit int);
2 answer:
create table order(
orderNumber int,
orderDate DATE,
requiredDtae DATE,
shippedDate DATE,
status varchar(10),
comments varchar(25),
customer number int);
3 answer:
select*from order table;
4 answer:
select *from comments order table;
5 answer:
select *from orderDate and Total number of orders placed on that date where Orders table;
6 answer:
select*from employeNumber, lastName, firstName of all the employees where employees table;
7 answer:
select * from orders table ('all orderNumber', 'customerName' of the person who placed the 'respective order');
8 answer:
select*from customers names in one column and
select*from salerepemployee name in another column;
9 answer:
select *from Date in one column and select*from total payment amount on that date from the payments table;
10 answer:
select * from the products productName, MSRP, productDescription from the products table;
11 answer:
 order= mysql_query(select *from the 'productName', 'productDescription' of the most ordered product);
 print order;
12. answer:
 city= mysql_query(select*from city name where maximum number of orders were placed);
13. answer:
select*from name of the state having maximum number of customers;
14. answer:
employee= mysql_query(select*from employee number in one column and Full name of the employee in
 the second column for all the employees);
15. answer:
 order detials=mysql_query(select* from orderNumber, customer Name and total amount paid by the
 customer for that order (quantityOrdered × priceEach));