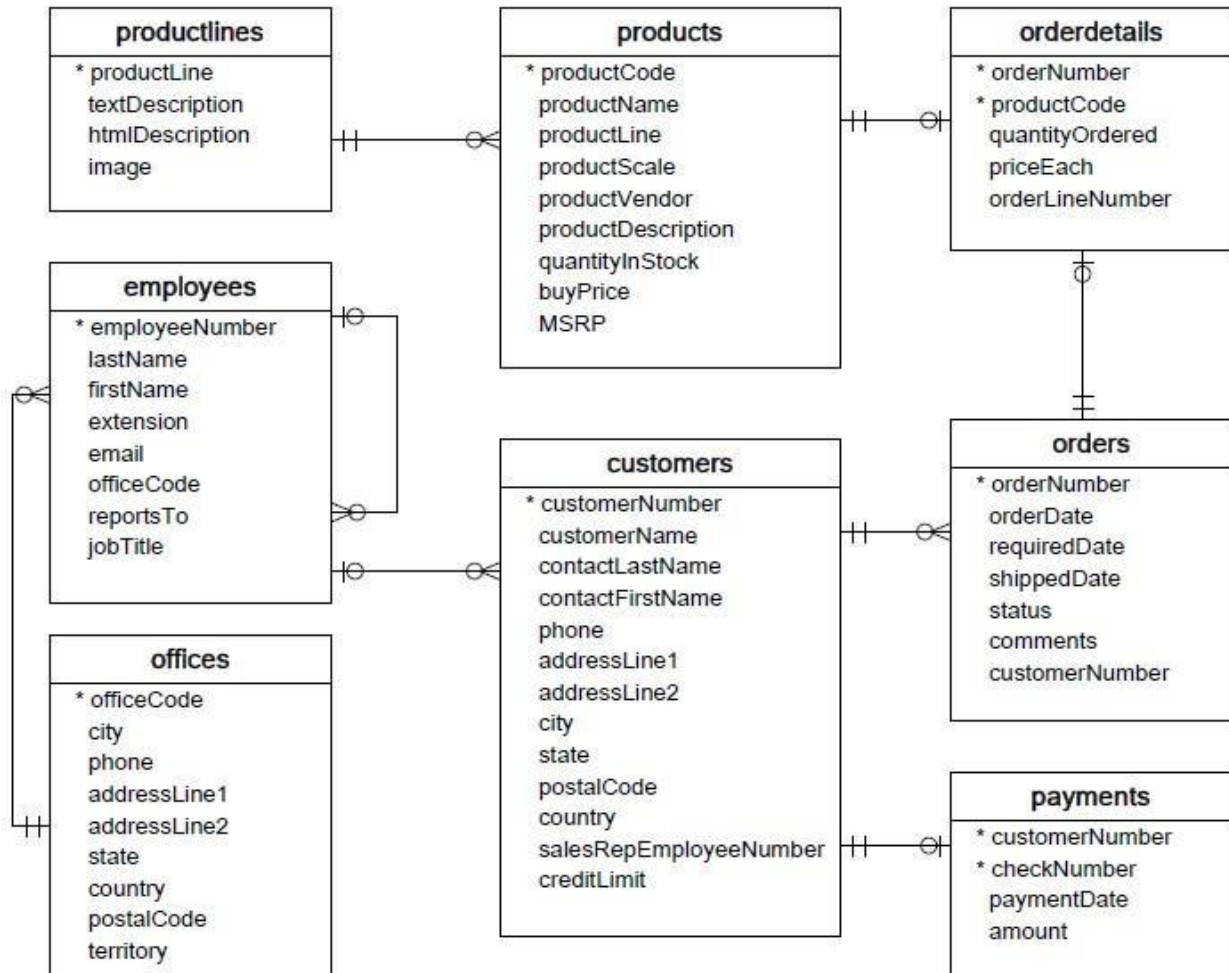


WORKSHEET 3 SQL

Refer the following ERD and answer all the questions in this worksheet. You have to write the queries usingmysql 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,
  customerName varchar(100),
  contactLastName varchar(100),
  contactFirstName varchar(100),
  phone INT,
  addressline1 varchar(100),
  addressline2 varchar(100),
  city varchar(100),
  state varchar(100),
  postalcode INT,
  country varchar(100),
  salesRepEmployeeNumber INT,
  creditlimit INT,
);

```

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

```

create table orders
(
  orderNumber INT,
  orderDate Date,
  requiredDate Date,
  shippedDate Date,
  status varchar(100),
  comments varchar(100),
  customerNumber INT
);

```

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

```

Select * from orders create table orders123
(
  orderNumber INT,
  orderDate Date,
  requiredDate Date,
  shippedDate Date,
  status varchar(100),
  comments varchar(100),
  customerNumber INT
); create table orders123
(
  orderNumber INT,
  orderDate Date,
  requiredDate Date,
  shippedDate Date,
  status varchar(100),
  comments varchar(100),
  customerNumber INT
);

```

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 from orders

Select COUNT(*) from orders where orderDate='2022-12-31'

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,customer where
orders.orderNumber=customer.customerName

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.

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 where order by productCode.

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

Select * from customers order by city.

13. Write a SQL query to get the name of the state having maximum number of customers.
Select state from customers order by state, customerNumber.

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)