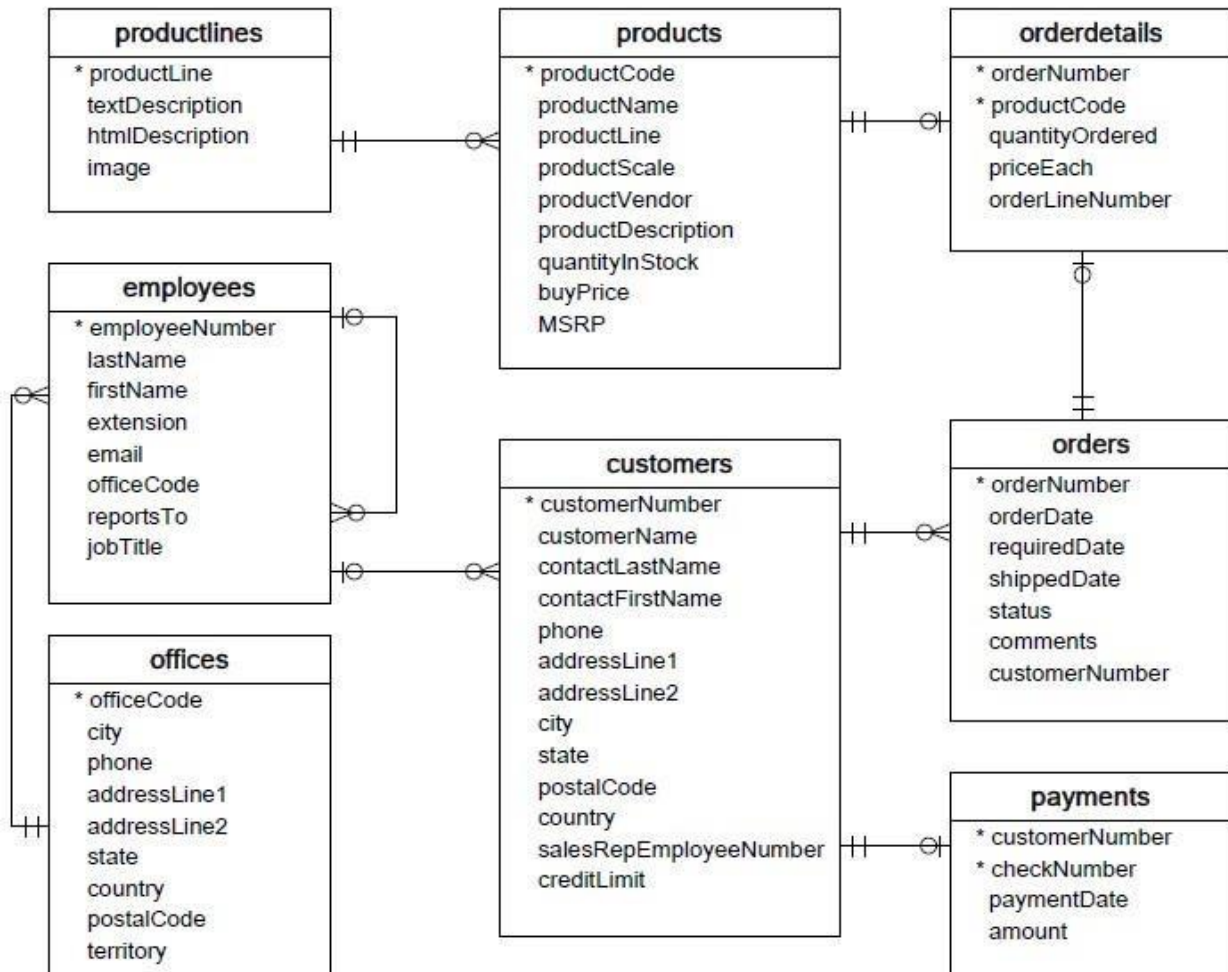


## **WORKSHEET 3 SQL**

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**.

ANS-

```

CREATE TABLE Customer
( customer_number int NOT NULL,
  customer_name char(50) NOT NULL,
  contact_lastname char(50),
  conatct_firstname char(50),
  phone int (12),
  address_line1 int(20),
  address_line2 char(50),
  city char(50),
  state char(25),

```

```
postal_code int(10),
country char(25),
salesrepEmployeeNumber int (25),
creditlimit int (25)
);
```

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

ANS-

```
CREATE TABLE ORDERS
(Order_Number int(25) NOT NULL,
ORDER_Date int(25) NOT NULL,
Required_Date int(50),
Shipped_Date int(50),
satus char(50),
Comments char(100),
Customer_Number int(12),
);
```

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

ANS –

```
SELECT Order_Number, Order_Date, Required_ Date, Shipped_date, Status,Comments,Customer_Number;
FROM orders;
```

4. Write SQL query to show all the comments from the **Orders** Table.

ANS- SELECT \* FROM ORDERS WHERE Comments

```
( Order_Number int(50) NOT NULL,
ORDER_Date int(25) NOT NULL,
);
```

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

ANS-

```
SELECT COUNT(*)
FROM orders
WHERE ord_date,'shipped_Dates;
```

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

ANS-

```
SELECT employee_Number, Last_name, First_name,
FROM Employees;
```

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

ANS-

```
SELECT Order_Number, Customer_Name ,Contact_Firstname,
FROM Orders, customer
WHERE orders.orders_Number= customer.Customer_Name, customer.Contact_Firstname;
```

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

```
ANS- SELECT Customer_Name, Salerepemployee_name
FROM customers;
```

---

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-

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

ANS-

```
SELECT Product_name,MSRP, Product_Discription
FROM PRODUCTS;
```

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

ANS- SELECT Product\_name,Product\_Discription, Count(\*) as Total\_Order, Sum(quantity) as Total\_Quantity  
FROM Products , Orderdetials  
Order By Count(\*) desc;

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

ANS-

```
SELECT City, Count(*) as Order_number
MAX (customer_city),
FROM orders , customers,
Order By Count(*) city;
```

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

ANS –

```
SELECT State , Count (*)as customer_Number
MAX ( Customer_states),
FROM customers,
Order By Count(*) states;
```

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.

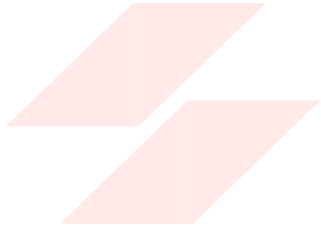
ANS-

```
SELECT Employees_Number,
(SELECT CONCAT(first_name,' ', last_name) 'Employee Name')
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 Order_Number, Customer_Name,
(SELECT SUM (purch_amt),
FROM orders, customers, payments;
```



# FLIP ROBO