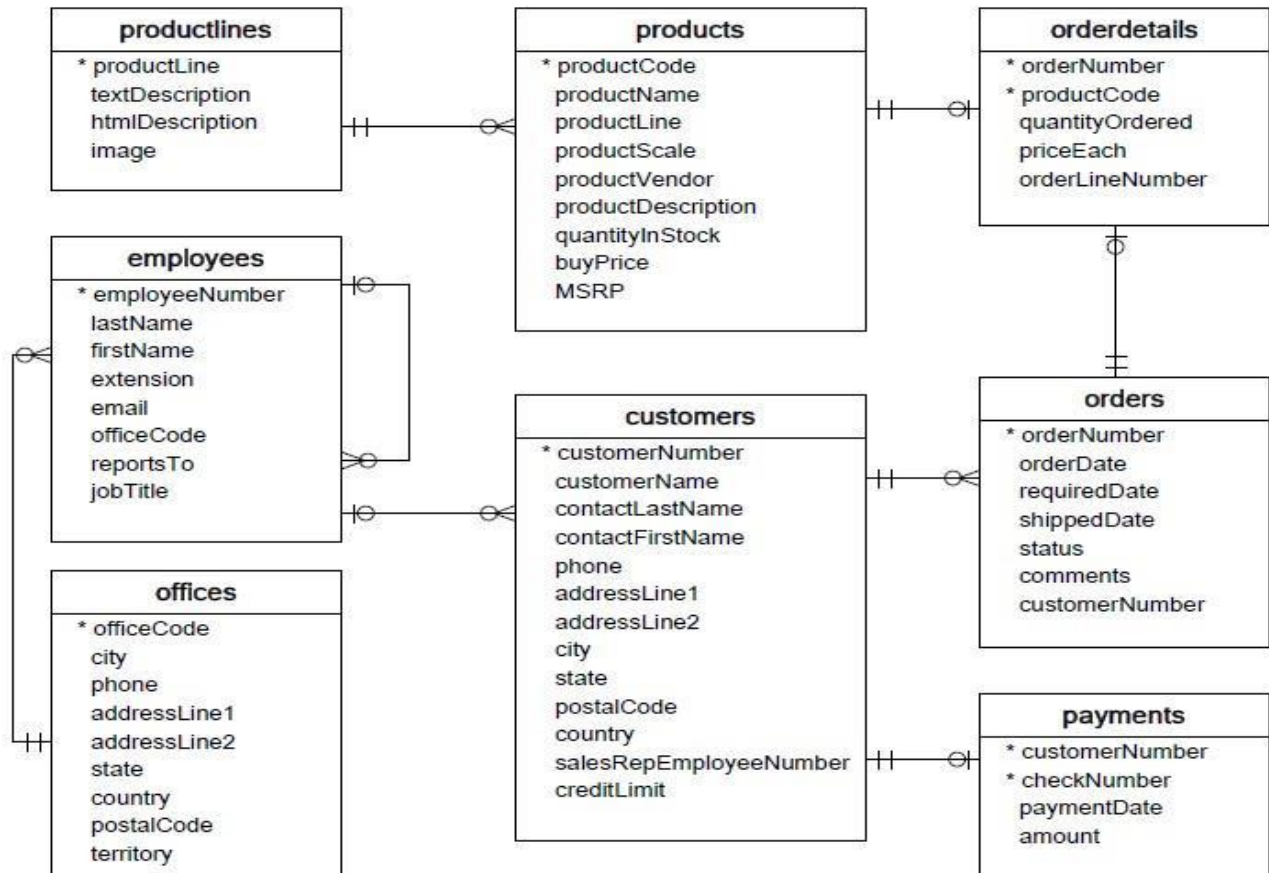


## SQL WORKSHEET 3



### 1. Write SQL query to create table Customers.

```
CREATE TABLE customers (  
  customerNumber int NOT NULL,  
  customerName Varchar 250,  
  contactLastName Varchar 250,  
  contactFirstName varchar 250,  
  phone int,  
  addressLine1 varchar 500,  
  addressLine2 varchar 200,  
  city varchar 200,  
  state varchar 200,
```

```
postalCode int 20,  
country Varchar 100,  
salesRepEmployeeNumber int 200,  
creditLimit int 200,  
PRIMARY KEY (customerNumber)  
);
```

---

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

```
CREATE TABLE orders (  
orderNumber int NOT NULL,  
orderDate datetime,  
requiredDate datetime,  
shippedDate datetime,  
status varchar 15,  
comments varchar 200,  
customerNumber int NOT NULL,  
  
PRIMARY KEY (orderNumber)  
);
```

---

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

```
SELECT * from Orders
```

---

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

SELECT comments from Orders;

---

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

Select orderDate, count(orderNumber) as TotalNumber from orders  
groupby orderDate;

---

- 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 o.orderNumber , c.customerName from orders o inner join  
customers c on o.customerNumber = c.customerNumber;

---

- 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.**

Select paymentDate , sum(amount) as TotalPayment from payments  
groupby paymentDate;

- 
- 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 p.productName , p.productDescription from products p  
inner join orderdetails od  
on p.productCode=od.productCode

where od.quantityOrdered=(select max(od.quantityOrdered) from  
orderdetails od);

---

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

Select top(1) c.city from customers c, (select  
count(orders.customerNumber) as MaxOrder, orders.customerNumber  
From orders group by orders.customerNumber as b  
Where c.customerNumber = b.customerNumber order by b.MaxOrder desc;

---

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

Select top(1).c.state from customers c,  
(select count(customers.customerNumber as  
MaxCustomer, customers.state From customers group  
by customers.state as b  
Where b.state=c.state order by b.MaxCustomer desc;

---

**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.**

Select employeeNumber, concat(firstName, ' ', lastName) as FullName 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).**

Select o.orderNumber, c.CustomerName, (quantityOrdered \*  
priceEach) as TotalAmountFrom customers c inner join orders o  
On c.customerNumber = o.customerNumber inner join orderdetails on  
orderNumber=o.orderNumber;

---