WorkSheet 3 SQL

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

```
CREATE TABLE  Customers(
customerNumber VARCHAR(10) NOT NULL,
customerName VARCHAR(25) NOT NULL,
contactLastName VARCHAR(10) NOT NULL,
contactFirstName VARCHAR(10) NOT NULL,
phone INT(10),
addressLine1 VARCHAR(15) NOT NULL,
addressline2 VARCHAR(15),
city VARCHAR(15) NOT NULL,
state VARCHAR(15) NOT NULL,
postalCode INT NOT NULL,
country VARCHAR(10) NOT NULL,
salesRepEmployeeName VARCHAR(15) NOT NULL,
creditLimit INT NOT NULL,
primary key(customerNumber));
```

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

```
CREATE TABLE Orders(
orderNumber INT NOT NULL,
orderDate DATE NOT NULL,
requiredDate DATE NOTNULL,
shippedDate DATE NOTNULL,
status DATE NOTNULL,
comments VARCHAR(20),
customerNumber INT NOT NULL,
Foreign key(customerNumber),
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 * From Orders;
```

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

```
Select count(orderNumber),orderDate
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 orderNumber, customerName
From Order;
```

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

```
Select customerName, CONCAT(lastName, firstName)
From employees
Left Join customers ON
Customers.salesRepEmployeeNumber=employees.employeeNumber;
```

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)
From payments
Group By 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 count(productName), productDescription
From products
Where
(Select productCode from orderDetails
Order By productName DESC );
```

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

```
Select customers.city, COUNT(orderNumber)
From customers
Left Join order
ON customer.customerNumber = orders.customerNumber
Group By city
Order By Count(orders.orderNumber) DESC limit 1;
```

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

```
Select employeeNumber, COUNT(customerNumber)
From customers
Group by state
Order By count(DISTINCT customerNumber)Desc limit 10;
```

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 Full_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).

```
Select orders.orderNumber, customers.customerName,(orderdetails.qualityOrdered *
orderdetails.priceEach) As TotalAmountPay
From orders
Left Join customers
ON Orders.customerName = customer.customerNumber
Left Join orderdetails
ON orderdetails.orderNumber = order.orderNumber;
```