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

CREATE TABLE Customers (

>customerNumber int,

>customerName varchar(100),

> customerLastName varchar(100),

> customerFirstName varchar(100),

>phone int

> addressLine1 varchar(100),

>addressLine2 varchar(100),

> city varchar(100),

> state varchar(100),

>postalCode int.

> country varchar(100),

> salesRepEmployee varchar(100),

>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;

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 COUNT(orderNumber), orderDate

FROM Orders

GROUP BY orderDate

;

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

SELECT employeNumber, lastName, firstName

FROM **employees**;

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

SELECT a.orderNumber,

b.customerName

FROM orders a

INNER JOIN customers b

ON a.customerNumber=b.customerNumber;

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

SELECT customerName, saleRepEmployeeNumber

FROM **employees**;

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 **product**;

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

SELECT a.productName, a.productDescription

FROM products AS a

INNER JOIN orderDetails AS b

ON a.productCode = b.productCode

GROUP BY a.productName

ORDER BY SUM(b.quantityOrdered) DESC;

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

SELECT c.city,COUNT(a.quantityOrdered)

FROM orderdetails a

INNER JOIN orders b

ON a.orderNumber=b.orderNumber

INNER JOIN customers c

ON a.customerNumber=c.customerNumber

GROUP BY city

ORDER BY 2 DESC;

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

SELECT state, COUNT(state)

FROM customers

GROUP BY state

ORDER BY 2 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 CONCAT(firstName, ' ' ,lastName) AS 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 orderNumber, customer Name,total amount paid

SELECT a.orderNumber,

a.quantityOrdered\*a.priceEach AS "total amount",

c.customername

FROM orderdetails a

INNER JOIN orders b

ON a.orderNumber=b.orderNumber

INNER JOIN customers c

ON a.customerNumber=c.customerNumber;