**WorkSheet**

**SQL**

1. Write SQL query to create table Customers.

Ans:CREATE TABLE Customers(

customerNumber INT PK ,

customerName VARCHAR(50),

contactLastName VARCHAR(50),

contactFirstName VARCHAR(50),

phone VARCHAR(20),

adressLine1 VARCHAR(255),

adressLine2 VARCHAR(255),

city VARCHAR(20),

state VARHCAR(20),

postalcode ,

country VARCHAR(20),

salesRepEmployeeNumber INT(10),

creditLimit INT(10));

2. Write SQL query to create table Orders.

Ans:CREATE TABLE orders(

orderNumber INT(20),

orderDate DATE ,

requiredDate Date,

shippedDate Date,

status VARCHAR(25),

comments VARCHAR(50),

customerNumber INT FK));

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

Ans:DESCRIBE orders;

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

Ans:SELECT COMMENTS FROM orders;

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

Ans:SELECT ORDERDATE , COUNT(orderNumber) FROM orders WHERE ORDERDATE = " ";

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

Ans:SELECT employeNumber, lastName, firstName from employees;

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

Ans=SELECT orderNumber, customerName FROM orders WHERE customerName = " ";

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

Ans:SELECT customerName , salesRepEmployeeNumber 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:SELECT orderdate , paymentDateAmount

FROM orders

INNER JOIN payments

ON orders.customerNumber = payments.customerNumber;

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

Ans:SELECT productName, MSRP, productDescription FROM products;

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

Ans:SELECT productName, productDescription FROM products WHERE( SELECT MAX(DISTINCT(productCode)) FROM products);

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

Ans:SELECT city name FROM customers LEFT JOIN orders USING (customerNumber) WHERE orderNumber = MAX(orderNumber);

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

Ans:SELECT state FROM customers HAVING MAX(COUNT(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.

Ans:SELECT employeeNumber , CONCAT(firstName , lastName) as FullName from employees;