**WORKSHEET 3 SQL**

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

Answer: - create table **Customers;**

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

Answer: - create table **Orders;**

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

Answer: - select \* from Orders;

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

Answer: - select comments from Orders;

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

Answer: - select count(orderDate),orderDate from Orders where date=12-4-2021;

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

Answer: - select employeNumber,lastName,firstName from employees;

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

Answer: - select orderNumber from Orders;

Select customerName from customers;

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

Answer: - select customerName,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.

Answer: - select sum(amount), paymentDate from payments group by date;

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

Answer: - select productName, MSRP, productDescription from products;

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

Answer: - SELECT TOP(1) productName, productDescription SUM(productName) AS most ordered product

FROM products

GROUP BY productname

ORDER BY SUM(productname) DESC;

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

Answer: - SELECT TOP(1) city, SUM(city) AS maximum number of placed

FROM customers

GROUP BY city

ORDER BY SUM(city) DESC;

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

Answer: - SELECT TOP(1) state, SUM(state) AS maximum number of customers

FROM customers

GROUP BY state

ORDER BY SUM(city) 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.

Answer: - SELECT CONCAT(FIRSTNAME, ' ', LASTNAME) AS FIRSTNAME, employeeNumber 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).

Answer: - SELECT c.customerName,

(d.quantityOrdered)\*(d.priceEach) AS totalAmountOrdered

temp.amt\_paid\_by\_cust AS amt\_paid\_by\_cust,

(((d.quantityOrdered)\*(d.priceEach)) - temp.amt\_paid\_by\_cust) AS outstandingBalance

FROM

CUSTOMERS c INNER JOIN ORDERS o ON c.customerNumber = o.customerNumber

INNER JOIN ORDERDETAILS d ON o.orderNumber = d.orderNumber

INNER JOIN

(

SELECT c.customerNames,

c.customerNumber

NVL(SUM(p.amount),0) AS amt\_paid\_by\_cust

FROM

CUSTOMERS c LEFT OUTER JOIN PAYMENTS p ON c.customerNumber = p.customerNumber

GROUP BY

c.customerNames,

c.customerNumber

) temp

ON c.customerNumber = temp.customerNumber;