

## WORKSHEET 3 SQL

- 1) Write SQL query to create table Customers.

**Answer:** ("CREATE TABLE Customers (Customer\_Number INT PRIMARY KEY, customer\_Name TEXT, Contact\_Last\_Name TEXT, Contact\_First\_Name TEXT, Phone\_Number INT, Address\_Line\_1 TEXT, Address\_Line\_2 TEXT, City Text, State TEXT, Postal\_code INT, Country TEXT, Sales\_Rep\_Employee\_Number INT, Credit\_Limit INT, foreign key(sales\_Rep\_Employee\_Number) references employees(employee\_Number)) ")

\*\*\*\*\*  
\*\*\*\*\*

- 2) Write SQL query to create table Orders.

**Answer:** ("CREATE TABLE Orders (order\_Number INT primary key, order\_date INT, required\_Date INT, shipped\_date INT, status Text, comments TEXT, foreign key(Customer\_Number) references Customers (Customer\_Number))")

\*\*\*\*\*  
\*\*\*\*\*

- 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 order Date and Total number of orders placed on that date, from Orders table.

**Answer:** SELECT Order\_date, Count(Order\_date) AS Number Of Orders FROM Orders where oder\_date ='mention the date'

\*\*\*\*\*  
\*\*\*\*\*

- 6) Write a SQL query to show employeeNumber, lastName, firstName of all the employees from employees table?

**Answer:** Select employe\_Number, , last\_Name, first\_Name FROM employees

\*\*\*\*\*  
\*\*\*\*\*

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

**Answer:** SELECT orders. order\_Number and Customers.Customer\_Name From orders, customers WHERE orders.customer\_id = customer.customer\_id

\*\*\*\*\*  
\*\*\*\*\*

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

**Answer:** SELECT employees.last\_name,first\_name, employees.employee\_number Customers.Customer\_Name, Customers.sales\_Rep\_Employee\_Number

from

employees inner join customers on employee.employee\_number= Customers. sales\_Rep\_Employee\_Number

\*\*\*\*\*  
\*\*\*\*\*

- 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 payment\_date FROM payments ORDER BY amount

\*\*\*\*\*  
\*\*\*\*\*

- 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 ProductName, productdescription,productcode, SUM(Quantity) AS TotalQuantity

FROM products

GROUP BY productcode

ORDER BY SUM(Quantity) DESC

\*\*\*\*\*  
\*\*\*\*\*

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

**Answer:** select city from customers(SELECT customer\_number,COUNT(Order\_Number) FROM orders GROUP BY Customer\_number

ORDER BY COUNT(order\_number) DESC ) WHERE rownum = 1

\*\*\*\*\*  
\*\*\*\*\*

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

**Answer:** select State from customers(SELECT  
customer\_number,COUNT(Order\_Number)  
FROM orders  
GROUP BY Customer\_number  
  
ORDER BY COUNT(order\_number) DESC )  
WHERE rownum = 1

\*\*\*\*\*  
\*\*\*\*\*

- 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 employee number, FirstName +' ' + Lastname as 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).

**Answer:** Create view orderTotals  
as select o.order\_Number, c.customer\_Name,  
SUM(od.quantityOrdered \* od.priceEach) as 'total' from customers  
c inner join orders o  
on c.customer\_Number = o.customer\_Number  
inner join orderdetails od  
on o.order\_Number = od.order\_Number  
group by o.order\_Number, c.customer\_Name;

\*\*\*\*\*  
\*\*\*\*\*

