**SQL WORKSHEET 3**

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

create table Customers (

customerNumber int,

customerName varchar(50),

contactFirstName varchar(50),

contactLastName varchar(50),

phone varchar(20) ,

addressLine1 varchar(255),

addressLine2 varchar(255),

city varchar(50),

state varchar(50),

postalCode int,

country varchar(50),

salesRepEmployeeNumber int,

ceditLimit int,

PRIMARY KEY(customerNumber),

FOREIGN KEY(salesRepEmployeeNumber) references employees(employeeNumber));

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

create table Orders(

orderNumber int,

orderDate date,

requiredDate date,

shippedDate date,

status varchar(25),

comments varchar(255),

customerNumber int,

PRIMARY KEY (orderNumber),

FOREIGN KEY (customerNumber) references Customers(customerNumber));

**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 groupby 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 orders.orderNumber, customers.customerName from orders left join customers on orders.customerNumber=customers.customerNumber ;

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

select customers.customerName, employees.firstName, employees.lastName from customers left join employees 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 COUNT(amount), paymentDate 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 productName, productDescription from products where (select productCode from orderdetails order by quantityOrdered desc limit 1);

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

select COUNT(orders.orderNumber) as count, customers.city from orders left join customers on orders.customerNumber = customers.customerNumber group by city order by count desc limit 1;

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

select state, count(customerNumber) as count from Customers group by state order by count desc limit 1;

select state from Customers group by state order by COUNT(customerNumber) desc limit 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.**

select employeeNumber, CONCAT(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).**

select o.orderNumber, c.customerName, (od.quantityOrdered \* od.priceEach) as amount from orders as o left join customers as c on o.customerNumber=c.customerNumber left join orderdetails as od on od.orderNumber = o.orderNumber;