

WORKSHEET 3

SQL

Q1. Write SQL query to create table Customers.

```
create table customers( customerNumber int not null,  
                        customerName varchar(50) not null,  
                        contactLastName(50) not null,  
                        contactFirstName(50) not null,  
                        Phone int(11) not null,  
                        Addressline1 varchar(100),  
                        Addressline2 varchar(100),  
                        City varchar(50),  
                        State varchar(50),  
                        Postalcode int not null,  
                        Country varchar  
                        saleRepEmployeeNumber int not null,  
                        creditLimit int not null,  
                        Primary key(customerNumber));
```

2. Write SQL query to create table Orders

```
Create table orbers(ordernumber int not null,  
                    orderDate date not null,  
                    RequiredDate date not null,  
                    ShippedDate date not null,  
                    Status varchar(25) not null,  
                    Comments varchar(250),  
                    CustomerNumber int not null,  
                    Primary key(ordernumber)  
                    Foreign key(customernumber) referance  
                    customer(customer number));
```

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

```
select * from order;
```

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

```
select command from order;
```

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

```
select orderDate,count(orderNumber)from orders  
groupby orderDate;
```

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

```
select employeeNumber,lastName,firstName from  
employees;
```

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

```
select orderNumber, customerName from order
inner join customer on
orders.customer=customers.customerNumber;
```

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

```
select customerName, concat(firstName, " ", lastN
ame)
as EmployeeName from employee inner join
customers on
employees.employeeNumber=customer.saleRepEmplo
yeeNumber;
```

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 paymentDate , sum(amount) from payment
groupby paymentDate;
```

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 productName,productDescription from
Product inner join Orderdetails on
Product.productCode=Orderdetails.productCode
groupby products.productCode order by sum
(quantityOrdered)desc limit 1;
```

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

```
select city from order inner join customer on
orders.customerNumber=customers.customerNumber
group by city order by count(orderNumber)desc
limit 1;
```

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

```
select state ,count(customerNumber)from
customers order by count(customerNumber) group
by state;
```

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 as
EmpNumber,concat(firstName,lastName)as EmpName
from employeea;
```

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,customerName,quantityOrdered*
priceEach as TotalAmount from OrderDetails inner join orders
on orderDetails.orderNumber=order.orderNumber inner join
customers on
orders.customerNumber=customers.customerNumber;