SQL WORKSHEET 3

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

```
Create tabe customers (
CustomerNumber varchar(255),
Customername varchar(255),
contactLastName varchar(255),
ContactFirstName varchar(255),
Phone varchar(255),
AddressLine1 varchar(255),
AddressLine2 varchar(255),
City varchar(255),
State varchar(255),
postalCode varchar (255),
country varchar(255),
salesRepEmployeeNumber varchar(255),
creditLimit varchar(255)
);
```

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

```
Create table orders (
Ordernumber varchar(255),
Orderdate varchar(255),
requiredDate varchar(255),
shipperDate varchar(255),
status varchar(255),
comments varchar(255),
customernumber varchar(255)
);
```

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 orderDate,count(*) as total_number from orders group by 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 orderNumber, customerName from customers c
 InnerJoin orders o ON
c.customerNumber=o.customerNumber;
```

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

```
Select customerName,firstname from customer c JOIN
Employees e ON
c.salesrepemployeenumber=e.employeenumer;
```

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 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 p.name as
Product_name,
p.decription as
product description,
COUNT(*) as num_orders
FROM orders o
JOIN products p ON
o.product_id=p.id
GROUP BY o.product_id
ORDER BY num_orders DESC
LIMIT 1;
```

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

```
Select city FROM offices, COUNT (*) as
Num_orders
FROM orders
GROUP BY city
ORDER BY num_orders DESC
LIMIT 1;
```

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

```
Select state from offices, COUNT (*) as
Num_customers
FROM customers
GROUP BY state
ORDER by num_customers
DESC
LIMIT;
```

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 employee_number,
CONCAT(first_name,' ',last_name) as full_name
FROM employyes ;
```

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.order_number,

CONCAT(c.first_name,

c.last_name) as

customer_name,

(od.quantity * od.priceEach) as

Total_amount

FROM order o

JOIN order_details od ON

o.order_number

JOIN customers c ON

o.customer_id=c.customer_id;
```