**SQL**

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

CREAT TABLE customers (

customerNumber int NOT NULL,

customerName varchar(50),

contactLastName varchar(20),

contactFirstName varchar(20),

phone int,

addressLine1 varchar(10),

addressLine2 varchar(10),

city varchar(20).

state varchar(20),

postalCode int,

country varchar(15),

saleRepEmployeeNumber int,

creditLimit int,

primary key(customerNumber)

);

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

CREAT TABLE orders (

orderNumber int NOT NULL,

orderDate DATE,

requiredDate DATE,

shippedDate DATE,

status varchar(10),

comments(50),

customerNumber int,

primary key(orderNumber)

);

**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 OrdersTable.**

Select comments from Orders;

**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 where orderDate='YYYY-MM-DD'

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

CREAT TABLE employees (

employeeNumber int NOT NULL,

firstName varchar(50),

LastName varchar(20),

extension int(20),

email varchar(15),

officeCode int,

country varchar(15),

reportsTo varchar(25),

jobTitle varchar(10),

primary key(employeeNumber)

);

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 orderNumner, customerName from customers where customerName='ABC'

**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

from customers

inner 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 payments.paymentDate, payments.amount

from payments

inner join customers

on payments.customerNumber=customers.customerNumber

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

select productCode, productName, MSRP, productDescription from products

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

select products.productName, products.productDescription,orderDetails.quantityOrdered

from products

inner join orderDetails

where products.productCode= orderDetails.productCode

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

select customers.city, orders.count(distinct orderNumber), payments.max(amount)

from customers

inner join orders

on customers.customerNumber=orders.customerNumber

inner join

on payments.customerNumber= orders.customerNumber

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

select state, max(customerName) from customers group by customerNumber order by 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.**

select employeeNumber, firstName, lastName 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 orderNumber, customerNumber

from orders a

where amount >

(select avg(amount) FROM payments b

where b.customerNumber = a.customerNumber);