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

**Ans:**

CREATE TABLE Customers.

(

CustomerNumber int,

CustomerName varchar(255),

ContactLastName varchar(255),

ContactFirstNamel varchar(255),

Phone int,

AddressLine1 varchar(255),

AddressLine2 varchar(255),

City varchar(255),

State varchar(255),

PostalCode int,

Country varchar(255),

saleRepEmployeeNymber int,

creditLimit int

)

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

**Ans:**

CREATE TABLE Orders.

(

orderNumber int,

orderDate DATE,

reqiuredDate DATE,

shippedDate DATE,

status varchar(255),

comments varchar(255),

customerNumber int,

)

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

**Ans:** SELECT \* FROM Orders;

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

**Ans:** SELECT comments FROM Orders;

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

**Ans:** SELECT orderDate, COUNT (\*)

FROM orders

GROUP BY orderDate;

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

**table.**

**Ans:** SELECT employeNumber, lastName, firstName,

FROM employees;

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

**Ans**: SELECT orders.orderNumber, customers.customerName

FROM orders, customer WHERE 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.**

**Ans:** SELECT customerName, saleRepEmployeeNumber FROM customers;

**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**

**Ans:** 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.Ans:** SELECT productName, MSRP, productDescription FROM products;

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

**Ans:** SELECT products.`productName`, products.`productDescription`, SUM(orderDetails.`quantityOrdered`) AS quantity

FROM `orderDetail` AS o

INNER JOIN `products` AS p

ON o.`productCode` = p.`productCode`

GROUP BY o.`productCode`

ORDER BY SUM(o.`quantityOrderd`) DESC, p.`producrName` ASC

LIMIT 3;

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

Ans: SELECT city,COUNT(\*)

FROM customers

GROUP BY city

ORDER BY COUNT(\*) DESC;

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

**Ans:** SELECT state,MAX(customerNumbers)

FROM customers

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.**

**Ans:** SELECT employeeNumber,FirstName, CONCAT(firstName,' ', lastName) as FirstName

FROM employee;

**15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).**

**Ans:** SELECT orders.orderNumber, customers.CustomerName, (quantityOdered\*oderedDetails.priceEach) as

Total\_Amount

from Customers c inner join Orders o

inner join products p

inner join orderDetails ord

on c.CustomerNumbers = o.CustomerNumbers

and o.OrderNumber = ord.OrderNumber

and ord.ProductNumber = p.ProductNumbers;