

1. Write SQL query to create table Customers.

Ans:

```
CREATE TABLE Customers.  
(  
    CustomerNumber int,  
    CustomerName varchar(255),  
    ContactLastName varchar(255),  
    ContactFirstName 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,  
    requiuredDate 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 employeeNumber, lastName, firstName of all the employees from employees table.

Ans: SELECT employeeNumber, 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.`quantityOrdered`) DESC, p.`productName` 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;