SQL worksheet 3

1. Write SQL query to create table Customers

Answer: CREATE TABLE customers (CustomerNumber int NOT NULL, CustomerName Varchar 250, ContactLastName Varchar 250, ContactFirstName varchar 250, Phone int, AddressLine1 varchar 500, AddressLine2 varchar 200, City varchar 200, State varchar 200, Postalcode int 20, Country Varchar 100, SalesRepEmployeeNumber int 200, CreditLimit int 200, PRIMARY KEY (CustomerNumber))

2. Write SQL query to create table Orders

Answer: CREATE TABLE orders (orderNumber int NOT NULL, orderDate datetime, requiredDate datetime, shippedDate datetime, status varchar 15, comments varchar 200, customerNumber int NOT NULL, PRIMARY KEY (orderNumber))

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

Answer: Select * from orders;

4. Write SQL query to show all the comments from the Orders Table
Answer: select comments from orders;

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

 Answer: Select orderDate, count(orderNumber) as TotalNumber from orders groupby orderDate;

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

Answer: Select employeNumber, lastName, firstName from employees;

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

Answer: Select o.orderNumber , c.customerName from orders o inner join customers c on o.customerNumber = c.customerNumber

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

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. Answer: Select paymentDate , sum(amount) as TotalPayment from payments groupby paymentDate;

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

11. Write a SQL query to print the productName, productDescription of the most ordered product. Answer: Select p.productName , p.productDescription from products p inner join orderdetails od on p.productCode=od.productCode where od.quantityOrdered=(select max(od.quantityOrdered) from orderdetails od);

12. Write a SQL query to print the city name where maximum number of orders were placed. Answer: Select top(1) c.city from customers c, (select count(orders.customerNumber) as MaxOrder, orders.customerNumber From orders group by orders.customernumber as b Where c.customerNumber = b.customerNumber order by b.MaxOrder desc

13. Write a SQL query to get the name of the state having maximum number of customers. Answer: Select top(1).c.state from customers c, (select count(customers.customerNumber as MaxCustomer,

customers.state From customers group by customers.state as b Where b.state=c.state order by b.MaxCustomer 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.

Answer: Select employeeNumber, concat(firstName, ' ',lastName) as FullName 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).

Answer: Select o.orderNumber, c.CustomerName, (quantityOrdered * priceEach) as TotalAmount From customers c inner join orders o On c.customerNumber = o.customerNumber inner join orderdetails on orderNumber=o.orderNumbe