

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

[illegible]

Answer: select comments from orders;

[illegible]

Answer:

[illegible]

Answer:

[illegible]

Answer:

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

XX

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

Answer:

XX

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;

XX

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

Answer:

Select productName ,MSRP , productDescription from products

XX

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);

XX

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

XX
x

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

XX

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

XX
XXXX

15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered \times 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.orderNumber