1.

create table customers (

customerNumber int,

customerName varchar(50),

contactFirstName varchar(30),

contactLastName varchar(30),

phone int,

addressLine1 varchar(200),

addressLine2 varchar(200),

city varchar(20),

state varchar(20),

postalCode int,

country varchar(20),

salesRepEmployeeNumber int,

ceditLimit int,

PRIMARY KEY(customerNumber),

FOREIGN KEY(salesRepEmployeeNumber) references employees(employeeNumber));

2.

create table orders(

orderNumber int,

orderDate DATE,

requiredDate DATE,

shippedDate DATE,

status varchar(20),

comments varchar(500),

customerNumber int,

PRIMARY KEY (orderNumber),

FOREIGN KEY (customerNumber) references customers(customerNumber));

3.

select \* from Orders;

if the question is about getting all the data from all the columns

describe Orders;

if the question is about the schema data of all the columns

4.

select comments from Orders;

5.

select count(orderNumber) as count, orderDate from Orders group by orderDate;

6.

select employeeNumber, lastName, firstName from employees;

7.

select orders.orderNumber, customers.customerName from orders left join customers on orders.customerNumber=customers.customerNumber ;

8.

select customers.customerName, employees.firstName, employees.lastName from customers left join employees on customers.salesRepEmployeeNumber = employees.employeeNumber;

9.

select COUNT(amount), paymentDate from payments group by paymentDate;

10.

select productName, MSRP, productDescription from products;

11.

select productName, productDescription from products where (select productCode from orderdetails order by quantityOrdered desc limit 1);

12.

select COUNT(orders.orderNumber) as count, customers.city from orders left join customers on orders.customerNumber = customers.customerNumber group by city order by count desc limit 1;

13.

select state, count(customerNumber) as count from Customers group by state order by count desc limit 1;

select state from Customers group by state order by COUNT(customerNumber) desc limit 1;

14.

select employeeNumber, CONCAT(firstName, “ ”, lastName) as Name from employees;

15.

select o.orderNumber, c.customerName, (od.quantityOrdered \* od.priceEach) as amount from orders as o left join customers as c on o.customerNumber=c.customerNumber left join orderdetails as od on od.orderNumber = o.orderNumber;