WORKSHEET 3 SQL

1) create table Customers)

  customerNumber int not null,
 customerName varchar(100) not null,
 contactLastName varchar(50) not null,
  contactFirstName varchar(50) not null,
 phone int not null,
 addressline1 varchar(100),
 addressline2 varchar(100),
 city varchar(50),
 state varchar(50),
  postalcode int not null,
  country varchar(100),
 saleRepEmployeeNumber int not null,
 creditLimit int not null,
 foreign key(saleRepEmployeeNumber) references employees(employeeNumber),
  primary key(customerNumber)

2) create table Orders
 orderNumber int not null,
orderDate date not null,
requiredDate date not null,
shippedDate not null,
status_ varchar(25) not null,
commments varchar(200),
customerNumber int not null,
primary key(ordernumber),
foreign key(customernumber) references customers(customernumber)

3) select * from Orders ;
4) select comments from Orders ;

5) select count(orderNumber),orderDate from Orders groupby orderDate ;
6) select employeNumber, lastName, firstName from employees ;
7) SELECT `orderNumber` ,`customerName`
FROM Orders INNER JOIN customers ON orders.`customerNumber`=
customers.`customerNumber`;
8) SELECT `customerName` , CONCAT(`firstName`,`lastName`)
FROM employees INNER JOIN customers
ON Employees.`employeeNumber`= customers.`salesRepEmployeeNumber`;
9) select sum(amount),paymentDate from payments groupby paymentDate ;
 10) select productName, MSRP, productDescription from products ;
 11) SELECT `productName`,`productDescription` FROM Products
INNER JOIN Orderdetails
 ON Products.`productCode` = Orderdetails.`productCode`

```
 GROUP BY Products.`productCode` ORDER BY SUM(`quantityOrdered`) DESC
 LIMIT 1;
12) SELECT `city` FROM Orders as a
INNER JOIN Customers as b
 ON a.`customerNumber` = b.`customerNumber`
 GROUP BY `city`
ORDER BY COUNT(`orderNumber`) DESC
 LIMIT 1;
13) select state, count(customerNumber) from Customers orderby count(customerNumber)
groupby state ;
14) select employeeNumber, concat( firstName, lastName) as fullName from employees ;
15) SELECT `orderNumber`, `customerName`, `quantityOrdered` * `priceEach` as `total
amount paid`
FROM OrderDetails as a INNER JOIN Orders as b
ON a.`orderNumber` = b.`orderNumber`
 INNER JOIN Customers as c
 ON b.`customerNumber` = c.`customerNumber`;
```