

## **Answers for SQL Worsheet-3**

1. create table Customers (  
customerNumber INT,  
customerName VARCHAR,  
contactLastName VARCHAR,  
contactFirstName VARCHAR,  
phone INT,  
addressLine1 VARCHAR,  
addressLine2 VARCHAR,  
city VARCHAR,  
state VARCHAR,  
postalCode INT,  
country VARCHAR,  
salesRepEmployeeNumber INT,  
creditLimit INT,  
PRIMARY KEY (customerNumber)  
);
2. create table Orders (  
orderNumber INT,  
orderDate DATE,  
requiredDate DATE,  
shippedDate DATE,  
status VARCHAR,  
comments VARCHAR,  
customerNumber INT,  
FOREIGN KEY (customerNumber) PRIMARY KEY (orderNumber)  
);
3. select \* from Orders;
4. select comments from Orders;

5. select orderDate, count(orderNumber) from Orders group by orderDate  
order by orderDate desc;
6. select employeeNumber, lastName, firstName from employees;
7. select Orders.orderNumber, Customers.customerName from Orders  
inner join Customers on Orders.customerNumber =  
Customers.customerNumber;
8. select customerName, salesRepEmployeeNumber from customers.
9. select paymentDate, sum(amount) from payments group by  
paymentDate order by paymentDate desc;
10. select productName, MSRP, productDescription from products;
11. select products.productName, products.productDescription,  
sum(orderdetails.quantityOrdered) from orderdetails inner join products  
on orderdetails.productCode = products.productCode group by  
orderdetails.productCode order by sum(orderdetails.quantityOrdered)  
desc limit 1;
12. select customers.city, count(orders.orderNumber) from orders inner  
join customers on orders.customerName = customers.customerName  
group by customers.city order by count(orders.orderNumber) desc limit  
1;
13. select state, count(customerNumber) from customers group by state  
order by count(customerNumber) desc limit 1;
14. select employeeNumber, concat(firstName, ' ', lastName) as fullName  
from employees;

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15. select orders.orderNumber, customers.customerName,  
    orderdetails.quantityOrdered*orderdetails.priceEach as  
    total_amount_paid from  
    (orders inner join customers on orders.customerNumber =  
    customers.customerNumber)  
  
    Inner join orderdetails on orders.orderNumber =  
    orderdetails.orderNumber;
```