

WORKSHEET 3 SQL

- 1) create table Customers(customerNumber int, customerName varchar(255), contactLastName varchar(255), contactFirstName varchar(255), phone int, addressLine1 varchar(255), addressLine2 varchar(255), city varchar(255), state varchar(255), postalCode int, country varchar(255), salesRepEmployeeNumber int, creditLimit float, PRIMARY KEY (customerNumber), FOREIGN KEY (salesRepEmployeeNumber) REFERENCES employees (employeeNumber));
- 2) create table Orders(orderNumber int, orderDate datetime, requiredDate datetime, shippedDate datetime, status varchar(255), comments varchar(255), customerNumber int, PRIMARY KEY (orderNumber), FOREIGN KEY (customerNumber) REFERENCES Customers (customerNumber));
- 3) select * from Orders;
- 4) select comments from Orders;
- 5) select orderDate, count(orderNumber) from Orders group by orderDate;
- 6) select employeeNumber, lastName, firstName from employees;
- 7) select o.orderNumber, c.customerName from Customers c INNER JOIN Orders o ON o.customerNumber=c.customerNumber;
- 8) select c.customerName, CONCAT(e.lastName, " ", e.firstName) from Customers c INNER JOIN employee e ON c.salesRepEmployeeNumber=e.employeeNumber;
- 9) select paymentDate, sum(amount) from payments group by paymentDate
- 10) select productName, productDescription, MSRP from products
- 11) select p.productName, p.productDescription, sum(o.quantityOrdered) from products p INNER JOIN ordersdetails o ON p.productCode=o.productCode group by p.productCode order by sum(o.quantityOrdered) desc limit 1

12) select c.city ,count(o.orderNumber) from Customers c INNER JOIN Orders o ON c.customerNumber=o.customerNumber group by city order by count(c.customerNumber)

13) select state ,count(customerNumber) from Customers group by state order by count(customerNumber)

14) select employeeNumber,CONCAT(firstName, " ", Lastname) AS fullName from employees;

15) select o.orderNumber, c.customerName, n.priceEach*n.quantityOrdered AS totalAmount from ((Orders o
INNER JOIN Customers c ON o.customerNumber = c.customerNumber)
INNER JOIN orderdetails n ON o.orderNumber = n.orderNumber);