SQL Worksheet 3

1. > CREATE TABLE Customers (

-> CustomerNumber int NOT NULL,

-> customerName varchar(100),

-> contactLastName varchar(100),

-> contactFirstName varchar(100),

-> Phone int,

-> addressLine1 varchar(100),

-> addressLine2 varchar(100),

-> city varchar(100),

-> state varchar(100),

-> postalcode int,

-> country varchar(100),

-> SalesRepEmployeeNumber int,

-> creditLimit int,

-> PRIMARY KEY (CustomerNumber),

-> FOREIGN KEY (SalesRepEmployeeNumber) REFERENCES employees(employeeNumber)

-> );

2. > CREATE TABLE Orders (

-> orderNumber int NOT NULL,

-> orderDate date,

-> requiredDate date,

-> shippedDate date,

-> status varchar(100),

-> comments varchar(100),

-> 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) as TOTAL\_NUMBER\_OF\_ORDERS FROM Orders GROUP BY orderDate;

6. SELECT EmployeeNumber, LastName, FirstName from employees;

7. select a.orderNumber, b.customerName from Orders a, Customers b where a.customerNumber=b.CustomerNumber;

8. SELECT b.customerName as Customer\_Name, RTRIM(LTRIM(CONCAT(COALESCE(a.lastName + ' ', ''), COALESCE(a.firstName + ' ', '')))) AS Sales\_Rep\_Employee\_Name FROM employees a, Customers b where a.employeeNumber=b.SalesRepEmployeeNumber;

9. select paymentDate as Date, sum(amount) from payments GROUP BY paymentDate;

10. select productName, MSRP, productDescription from products;

11. SELECT p.productName, p.productDescription FROM orderdetails AS o INNER JOIN products AS p ON o.productCode = p.productCode GROUP BY o.productCode ORDER BY SUM(o.quantityOdered) DESC, p.productName ASC

12. select a.city, count(b.orderNumber) as NUMBER\_OF\_ORDERS from Customers a, Orders b where a.customerNumber = b.customerNumber GROUP BY a.city ORDER BY NUMBER\_OF\_ORDERS DESC;

13. select state, count(customerNumber) as NUMBER\_OF\_Customers from Customers GROUP BY state ORDER BY NUMBER\_OF\_Customers DESC;

14. SELECT employeeNumber, RTRIM(LTRIM(CONCAT(COALESCE(lastName + ' ', ''), COALESCE(firstName + ' ', '')))) AS Employee\_Full\_Name FROM employees;

15. select c.orderNumber as ORDER\_NUMBER, b.customerName as Customer\_Name, c.quantity\_ordered\*c.priceEach as Total\_Amount\_Paid from Orders as INNER JOIN Custormers b ON a.customerNumber=b.CustomerNumber INNER JOIN orderdetails c ON a.orderNumber = c.orderNumber GROUP BY c.orderNumber;