

### **WORKSHEET 3 SQL**

Q.1) CREATE TABLE customers(customerNumber INT PRIMARY KEY, customerName TEXT, contactLastName TEXT, contactFirstName TEXT, phone INT, addressLine1 TEXT, addressLine2 TEXT, city TEXT, state TEXT, postalCode INT, country TEXT, salesRepEmployeeNumber TEXT, creditLimit INT);

Q.2) CREATE TABLE orders(foreign key(orderNumber) references orderdetails(orderNumber), orderDate VARCHAR, requiredDate VARCHAR, shippedDate VARCHAR, status TEXT, comments VARCHAR, foreign key(customerNumber) references customers(customerNumber));

Q.3) select \* from orders;

Q.4) select comments from orders;

Q.5) select orderDate, orderNumber from orders;

Q.6) select employeeNumber, lastName, firstName from employees;

Q.7) select orders.orderNumber, customers.customerName from orders, customers where orders.customerNumber = customers.customerNumber;

Q.8) select customerName, salesRepEmployeeNumber from customers;

Q.9) select paymentDate, amount from payments;

Q.10) select productCode, productName, MSRP, productDescription from products;

Q.11) SELECT p.`product\_id`, p.`description` FROM `Order\_Detail` AS o INNER JOIN `Product` AS p ON o.`product\_id` = p.`product\_id` GROUP BY o.`product\_id` ORDER BY Count(o.`orderNumber`) DESC, p.`name` ASC LIMIT 1

Q.12) SELECT cu.city FROM orders o INNER JOIN customers cu ON cu.customerNumber = o.customerNumber GROUP BY cu.city;

Q.13) SELECT MAX(state) FROM customers;

Q.14) select employeeNumber from employees UNION select concat(firstName,'',lastName) as fullName from employees;

Q.15) Select o.orderNumber, c.customerName,  
SUM(od.priceEach\*od.quantityOrdered) as totalAmount from OrderDetails AS od  
INNER JOIN Orders As o On od.orderNumber =o.orderNumber Inner Join  
Customer c on c.customerNumber = o.customerNumber Group by  
o.orderNumber