**SQL – WORKSHEET 3**

**Solution: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 varchar(255),creditLimit int);

**Solution:2** CREATE TABLE Orders (orderNumber int, orderDate datetime, shippedDate datetime, status varchar(255), comments varchar(255), CustomerNumber int);

**Solution:3** SELECT \* FROM Orders;

Solution:4 SELECT comments FROM Orders;

Solution:5 SELECT orderDate, orderNumber FROM Orders ORDER BY orderDate;

Solution:6 SELECT employeeNumber,lastName,firstName FROM employees;

Solution:7 SELECT orderNumber,customerName FROM Orders,Customers WHERE Orders.customerNumber=Customers.customerNumber;

Solution:8 SELECT customerName,firstName FROM Customer,employees WHERE Customer.SalesRepEmployeeNumber=employees.employeeNumber;

Solution:9 SELECT paymentDate,amount FROM payments ORDER BY paymentDate;

Solution:10 SELECT productName,MSRP,productDescription FROM products;

Solution:11 SELECT productName,productDescription from products,orderdetails WHERE products.productCode=orderdetails.productCode ORDER BY quantityOrdered DESC limit 1;

Solution:12 SELECT city FROM Customers c JOIN Orders o on c.customerNumber=o. customerNumber JOIN orderdetails od on o.orderNumber=od.orderNumber ORDER BY quantityOrderd DESC limit 1;

Solution:13 SELECT state,COUNT(\*) FROM Customers GROUP BY state ORDER BY customerNumber DESC limit 1;

Solution:14 SELECT employeeNumber,CONCAT(firstName,’ ‘,lastName) as fullName FROM employees;

Solution:15 SELECT orderNumber,customerName,quantityOrdered\*priceEach as totalAmount FROM Orders o JOIN Customers c on o.customerNumber=c.customerNumber JOIN orderdetails od on o.orderNumber=od.orderNumber;