**SQL Worksheet 3 Solution**

**Q1**. Write SQL query to create table Customers.

Ans1.  
 CREATE TABLE customers(customerNumber,   
customerName varchar (30) ,   
contactLastName varchar (30) ,   
contactFirsttName varchar (30),   
phone int,   
addressline1 varchar (30),  
 addressline2 varchar (30),   
city varchar (20),   
state varchar (20),   
postalcode int,   
country varchar (20),   
salesREpEmpNumber int,   
creditlimit int);

**Q2.** Write SQL query to create table Orders.

Ans2.

CREATE TABLE orders(ordernumber int,  
orderDate int,  
requiredDate int,  
shippedDate int,  
status varchar (20),  
comments varchar (20),  
customerNumber int);

**Q3**. Write SQL query to show all the columns data from the Orders Table.

Ans3. SELECT \* FROM ORDERS

**Q4.** Write SQL query to show all the comments from the OrdersTable.

Ans. SELECT comment  
 FROM orders

5. Write a SQL query to show orderDate and Total number of orders placed on that date, from Orderstable.

Ans. SELECT orderDate   
 FROM orders   
 ORDER BY orderDate   
 ASC | DESC;

Q6. Write a SQL query to show employeNumber, lastName, firstName of all the employees from employees table.

Ans. SELECT employeNumber, lastName, firstName  
 FROM employees

Q7. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

Ans.

SELECT orders .orderNumber, customers .customerName

FROM orders, customers

WHERE orders.customernumber = customer.customernumber;

Q8. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column.

Ans. SELECT customers, salerepemployee  
 FROM customers

Q9. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the payments table.

Ans. SELECT paymentDate,amount   
 FROM payments  
 ORDER BY date

Q10. Write a SQL query to show all the products productName, MSRP, productDescription from the products table.

Ans. SELECT productName, MSRP, productDescription  
 FROM products

Q11. Write a SQL query to print the productName, productDescription of the most ordered product.   
  
Ans. SELECT productName,productDescription  
 FROM products  
 ORDER BY quantityordered

Q12. Write a SQL query to print the city name where maximum number of orders were placed.

A ns. SELECT city,max(quantityOrdered)  
 FROM customers,orderdetails

Q13. Write a SQL query to get the name of the state having maximum number of customers.

Ans. SELECT state,max(quantityordered)  
 FROM customers,orderdetails  
   
Q14. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

Ans.   
SELECT employeeNumber, firstName  
FROM employees

Q15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach)  
Ans.  
SELECT orderNumber, customerName, amount  
FROM orders,payments  
WHERE orders.customernumber=payments.customernumber  
ORDER BY amount  
DESC;