**SQL WorkSheet Answers**

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

**Ans:CREATE TABLE Customers(**

**customerNumber INT PK ,**

**customerName VARCHAR(50),**

**contactLastName VARCHAR(50),**

**contactFirstName VARCHAR(50),**

**phone VARCHAR(20),**

**adressLine1 VARCHAR(255),**

**adressLine2 VARCHAR(255),**

**city VARCHAR(20),**

**state VARHCAR(20),**

**postalcode ,**

**country VARCHAR(20),**

**salesRepEmployeeNumber INT(10),**

**creditLimit INT(10));**

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

**Ans:CREATE TABLE orders(**

**orderNumber INT(20),**

**orderDate DATE ,**

**requiredDate Date,**

**shippedDate Date,**

**status VARCHAR(25),**

**comments VARCHAR(50),**

**customerNumber INT FK));**

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

**Ans:DESCRIBE orders;**

**4. Write SQL query to show all the comments from the Orders Table.**

**Ans:SELECT COMMENTS FROM orders;**

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

**Ans:SELECT ORDERDATE , COUNT(orderNumber) FROM orders WHERE ORDERDATE = " ";**

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

**Ans:SELECT employeNumber, lastName, firstName from employees;**

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

**Ans=SELECT orderNumber, customerName FROM orders WHERE customerName = " ";**

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

**Ans:SELECT customerName , salesRepEmployeeNumber FROM customers;**

**9. 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 orderdate , paymentDateAmount**

**FROM orders**

**INNER JOIN payments**

**ON orders.customerNumber = payments.customerNumber;**

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

**Ans:SELECT productName, MSRP, productDescription FROM products;**

**11. Write a SQL query to print the productName, productDescription of the most ordered product.**

**Ans:SELECT productName, productDescription FROM products WHERE( SELECT MAX(DISTINCT(productCode)) FROM products);**

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

**Ans:SELECT city name FROM customers LEFT JOIN orders USING (customerNumber) WHERE orderNumber = MAX(orderNumber);**

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

**Ans:SELECT state FROM customers HAVING MAX(COUNT(customerNumber));**

**14. 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 , CONCAT(firstName , lastName) as FullName from employees;**