Worksheet Set 3

SQL worksheet 3

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

**Import sqlite3**

**CREATE TABLE customers(**

**customerNumber PRIMARY KEY int NOT NULL,**

**customerName varchar (255) NOT NULL,**

**contactLastName varchar(255) NOT NULL,**

**contactFirstName varchar(255) NOT NULL,**

**phone int NOT NULL,**

**addressLine1 varchar(255) NOT NULL,**

**addressLine2 varchar(255) NOT NULL,**

**city varchar(255) NOT NULL,**

**state varchar(255) NOT NULL,**

**postalCode int NOT NULL,**

**country varchar(255) NOT NULL,**

**salesRepEmployeeNumber int NOT NULL,**

**creditLimit int NOT NULL**

**);**

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

**CREATE TABLE orders(**

**orderNumber int NOT NULL PRIMARY KEY,**

**orderDate DATE NOT NULL,**

**requiredDate DATE NOT NULL,**

**shippedDate DATE NOT NULL,**

**status varchar(255) NOT NULL,**

**comments varchar(255),**

**customerNumber int NOT NULL,**

**FOREIGN KEY (orderNumber) REFERENCES orderdetails(orderNumber) ON DELETE CASCADE FOREIGN KEY (customerNumber) REFERENCES customers(CustomerNumber) ON DELETE CASCADE**

**);**

Q3. Write SQL query to show all the columns data from the OrdersTable.

**SELECT \* FROM orders;**

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

**SELECT comments FROM orders;**

Q5. Write a SQL query to show orderDate and Total number of orders placed on that date, from Orderstable.

**SELECT orderDate, COUNT(\*) FROM orders**

**GROUP BY orderDate;**

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

**SELECT employeeNumber, lastName, firstName FROM employees;**

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

**SELECT orders.orderNumber, customers.customerName FROM orders,employees**

**ORDER BY orderNumber ASC;**

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

**SELECT customers.CustomerName AS “CustomerName”,**

**CONCAT(employees.firstName,” “,employees.lastName) salesrepName FROM customer,employees;**

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

**SELECT paymentDate, SUM(amount) FROM payments**

**GROUP BY paymentDate;**

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

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

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

**SELECT products.productName, products.productDescription FROM products**

**WHERE MAX(COUNT(productCode));**

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

**SELECT customers.city FROM customers**

**WHERE MAX(COUNT(DISTINCT orders.orderNumber));**

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

**SELECT state FROM customers**

**WHERE MAX(GROUP BY state);**

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.

**SELECT employeeNumber, CONCAT(firstName,” ”,lastName) employeeName FROM employees;**

15. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).

**SELECT a.orderNumber, a.priceEach\*a.quantityOrdered as totalamount, c.customerName FROM orderdetails a JOIN orders b ON a.orderNumber = b.orderNumber JOIN customers c ON b.customerNumber = c.customerNumber;**