Solved SQL Worksheet

1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

Ans.

- import sqlite3
- db=sqlite3.connect("my_database.db")
- cursor=db.cursor()
- results= cursor.execute("Select shippedDate, orderNumber, avg(count(*)) from orders group by orderNumber, shippedDate")
- results.fetchall()

---

2. Write a SQL query to show average number of orders placed in a day.

Ans.

- results= cursor.execute("Select orderDate, orderNumber, avg(count(*)) from orders group by orderNumber, orderDate")
- results.fetchall()

---

3. Write a SQL query to show the product name with minimum MSRP (use Products table).

Ans.

- results= cursor.execute("Select productName, MIN(MSRP) as Minimum from product group by productName")
- results.fetchall()

---

4. Write a SQL query to show the product name with maximum value of stockQuantity.

Ans.

- results= cursor.execute("Select productName, MAX(quantityInStock) as Maximum from product group by productName")
- results.fetchall()

---

5. Write a query to show the most ordered product Name (the product with maximum number of orders).

Ans.

- results= cursor.execute("Select productName, productCode, max(Count(*)) from products group by productName, productCode")
- results.fetchall()

---

6. Write a SQL query to show the highest paying customer Name.

Ans.

- results= cursor.execute("Select customerName from customers where customerNumber=(Select customerNumber, max(amount) from payments group by customerNumber)")
- results.fetchall()

---

7. Write a SQL query to show cutomerNumber, customerName of all the customers who are from Melbourne city.

Ans.

- results= cursor.execute("Select customerNumber,customerName from customers where city='Melbourne' ")
- results.fetchall()

---

8. Write a SQL query to show name of all the customers whose name start with "N".

Ans.

- results= cursor.execute("Select customerName from customers where customerName Like 'N%' ")
- results.fetchall()

---

9. Write a SQL query to show name of all the customers whose phone start with '7' and are from city 'Las Vegas'.

Ans.

- results= cursor.execute("Select customerName from customers where phone Like '7%' and city='Las Vegas' ")
- results.fetchall()

---

10. Write a SQL query to show name of all the customers whose creditLimit < 1000 and city is either “Las Vegas” or ”Nantes” or “Stavern”.

Ans.

- results= cursor.execute("Select customerName from customers where creditLimit<1000 and city=’Las Vegas’ or city=’Nantes’ or city=’Stavern’ ")
- results.fetchall()

---

11. Write a SQL query to show all the orderNumber in which quantity ordered <10.

Ans.

- results= cursor.execute("Select orderNumber from orderdetails where quantityOrdered<10")
- results.fetchall()

---

12. Write a SQL query to show all the orderNumber whose customer Name start with letter ‘N’**.**

Ans.

- results= cursor.execute("Select orderNumber from orders where customerNumber=(Select customerNumber from customers where customerName Like ‘N%’)")
- results.fetchall()

---

13. Write a SQL query to show all the customerName whose orders are “Disputed” in status.

Ans.

- results= cursor.execute("Select customerName from customers where customerNumber=(Select customerNumber from orders where status=’Disputed’) ")
- results.fetchall()

---

14. Write a SQL query to show the customerName who made payment through cheque with checkNumber starting with H and made payment on “2004-10-19”.

Ans.

- results= cursor.execute("Select customerName from customers where customerNumber=(Select customerNumber from payments where checkNumber Like ’H%’ and paymentDate=’2004-10-19’) ")
- results.fetchall()

---

15. Write a SQL query to show all the checkNumber whose amount > 1000.

Ans.

- results= cursor.execute("Select checkNumber from payments where amount>1000")
- results.fetchall()
