SQL Worksheet-4

1. Write a SQL query to show average number of orders shipped in a day (use Orders table).
   Ans: SELECT AVG(shippedDate) FROM orders GROUP BY orderDate;

2. Write a SQL query to show average number of orders placed in a day.
   Ans: SELECT AVG(orderNumber) FROM orders GROUP BY orderDate;

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

   Ans: SELECT productName, MSRP
   FROM products
   WHERE MSRP=
   (SELECT MIN (MSRP) FROM Products);

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

   Ans: SELECT productName,quantityInStock
   FROM products
   WHERE quantityInStock =
   (SELECT MAX (quantityInStock) FROM Products);

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

   Ans: SELECT productName,quantityOrdered
   FROM orderDetails
   WHERE quantityOrdered =
   (SELECT MAX (quantityOrdered) FROM orderDetails);

6. Write a SQL query to show the highest paying customer Name.
   Ans: SELECT a.customerName FROM customers a, WHERE b.amount =(SELECT MAX(amount)) FROM payments b, AND a.customerNumber = b.customerNumber;

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

   Ans: SELECT CustomerNumber, CustomerName
        FROM customers
        WHERE city = Melbourne;

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

   Ans: SELECT * FROM Customers
       WHERE customerName LIKE 'N%';

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

   Ans: SELECT CustomerName FROM Customers
       WHERE phone LIKE '7%'
       AND city='Las Vegas';

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: SELECT CustomerName FROM Customers
        WHERE creditlimit <1000
        AND city="Las Vegas" OR city="Nantes" OR city=" Stavern";

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

    Ans: SELECT orderNumber FROM orderdetails
        WHERE quantityOrdered <10

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

    Ans: SELECT o.orderNumber FROM orders o
    LEFT JOIN customers c
    ON c.customerNumber =o.customerNumber
    WHERE c.customerName LIKE 'N%'

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

    Ans: SELECT a.customerName FROM customers WHERE b.status='Disputed' FROM orders b AND a.customerNumber=b.customerNumber;

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: SELECT a.customerName FROM customers a WHERE b.checkNumber LIKE 'H%' AND b.paymentdate='2004-10-19' FROM payments b AND a.customerNumber=b.customerNumber;

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

Ans: SELECT checkNumber FROM payments
 WHERE amount >1000 ;