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

Ans: -

SELECT ' For',ShippedDate,',there are', COUNT (orderNumber),'orders.' FROM orders GROUP BY shippedDate;

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

Ans: -
SELECT date(orderdate)
    , COUNT(id) AS num_orders
    , SUM(orderNumber) AS daily_total
  FROM Oder
 GROUP BY date(orderDate)

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

Ans: -

SELECT productName FROM Product WHERE MSRP = (SELECT MIN(MSRP) FROM Product);

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

Ans: -

SELECT MAX(quantityInStock), productNameFROM Product

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

SELECT MAX(productName) AS HighestOrders FROM Product GROUP BY product_code ODER BY MAX(buyPrice)

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

Ans: -

SELECT MAX(amount), customerName FROM payments where customerName = (SELECT customerNumber from customers)

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

Ans: -

SELECT customerName,city FROM customer 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 name LIKE 'N%';

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

Ans: -

SELECT * FROM customer where phone like'7%' and city = 'LasVegas"

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 * FROM customer where creditLimit < 1000 and (city LIKE 'LosVegas' or city LIKE 'Stavern')

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

Ans: -

SELECT orderNumber FROM oderdetailed WHERE quantityOdered < 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 customernumber,
    max(case when rn = 1 then status end) as last_order_status,
    sum(status = 'Cancelled') cnt_cancelled,
    sum(status = 'Disputed') cnt_disputed,
    sum(status = 'On Hold') cnt_on_hold
from (
    select o.*,
      row_number() over(partition by customernumber order by orderdate desc) rn
    from orders o

) t
group by customernumber

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

Ans: -

SELECT c.customerName
FROM customers c
LEFT JOIN payments p
ON p.customerNumber = o.customerNumber
WHERE c.checkNumber LIKE 'H%' and p.paymentDate = '2004-10-19'

15. Write a SQL query to show all the checkNumber whose amount > 1000.
Ans: -
SELECT checkNumber FROM payments where amount > 1000.