Q1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

Ans: SELECT ShippedDate, COUNT(orderNumber) as 'Total_Order' FROM orders GROUP BY shippedDate ORDER BY total_order DESC

OR

SELECT AVG(orders) as 'order shipped per day' from (SELECT ShippedDate, COUNT(orderNumber) as 'orders' FROM orders GROUP BY shippedDate) A

Q2. Write a SQL query to show average number of orders placed in a day.

Ans: SELECT AVG(orders) as 'ordered per day' from (SELECT orderDate, COUNT(orderNumber) as 'orders' FROM orders GROUP BY orderDate) A

Q3. Write a SQL query to show the product name with minimum MSRP (use Products table).

Ans: SELECT productName FROM products WHERE MSRP IN (SELECT MIN(MSRP) FROM products)

Q4. Write a SQL query to show the product name with maximum value of stockQuantity.

Ans: SELECT productName FROM products WHERE quantityInStock IN (SELECTMAX(quantityInStock) FROM products)

Q5. Write a query to show the most ordered product Name (the product with maximum number of orders).

Ans: SELECT productName FROM (SELECT p.productName, COUNT(d.orderNumber) as 'total_order' FROM products as p INNER JOIN orderDetails as d ON p.productCode = d.productCode

GROUP BY p.productName ORDER BY total_order DESC LIMIT 1) A

Q6. Write a SQL query to show the highest paying customer Name.

Ans: SELECT customerName FROM customers WHERE cutomerNumber IN (SELECT O.customerNumber, SUM(D.quantityOrdered*D.priceEach) as 'TotalAmount' FROM orders as O INNER JOIN orderdetails as D ON O.orderNumber = D.orderNumber ORDER BY TotalAmount DESC LIMIT 1)

Q7. 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"

Q8. Write a SQL query to show name of all the customers whose name start with "N".

Ans: SELECT customerName FROM customers WHERE customerName LIKE "N%"

Q9. 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"

Q10. 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 IN ('Las Vegas', 'Nantes', 'Stavern')

Q11. Write a SQL query to show all the orderNumber in which quantity ordered <10.

Ans: SETECT orderNumber FROM orderDetails WHERE quantityOreded < 10

Q12. Write a SQL query to show all the orderNumber whose customer Name start with letter 'N'.

Ans: SELECT O.orderNumber FROM orders as O INNER JOIN customers as C ON O.customerNumber = C.customerNumber WHERE C.customerName LIKE "N%"

Q13. Write a SQL query to show all the customerName whose orders are "Disputed" in status.

Ans: SELECT CT.customerName FROM customers as CT INNER JION orders as OT ON CT.customerNumaber = OT.customerName WHERE OT.status = "Disputed"

Q14. 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 CT.customerName FROM customers as CT INNER JOIN payments as PY ON CT.customerNumber = PY.customerNumber WHERE checkNumber LIKE "H%" AND paymentDate = "2004-10-19"

Q15. Write a SQL query to show all the checkNumber whose amount > 1000.

Ans: SLECT checkNumber FROM payments WHERE amount >1000