**SQL – 4**

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

Answer: WITH x AS (SELECT `shippedDate`, COUNT(`orderNumber`) AS `total\_orders` FROM Orders) SELECT

AVG(`total\_orders`) AS `AverageNumberOfOrdersShipped` FROM x;

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

Answer: WITH x AS (SELECT `orderDate`, COUNT(`orderNumber`) AS `total\_orders` FROM Orders) SELECT

AVG(`total\_orders`) AS `AverageNumberOfOrdersPlaced` FROM x;

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

Answer: SELECT `productName` FROM Products

ORDER BY MSRP

LIMIT 1;

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

Answer: SELECT `productName` FROM Products

ORDER BY `quantityInStock` DESC LIMIT 1;

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

Answer: SELECT `productName`

FROM OrderDetails AS

a INNER JOIN Products AS b ON a.`productCode` = b.`productCode`

GROUP BY b.`productCode`

ORDER BY COUNT(`orderNumber`) DESC LIMIT

1;

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

Answer: WITH x AS (SELECT customerName, SUM(amount) AS total\_payment FROM

Customers AS a INNER JOIN Payments b

ON a.customerNumber = b.customerNumber

GROUP BY customerName)

SELECT customerName, total\_payment FROM x

WHERE total\_payment = (SELECT MAX(total\_payment) FROM x);

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

Answer: 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”.

Answer: SELECT `customerName` FROM Customers

WHERE `customerName` REGEXP `^N\*`;

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

Answer: SELECT `customerName` FROM Customers

WHERE `phones` REGEXP “^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”.

Answer: SELECT `customerName` FROM Customers

WHERE `creditLimit` < 1000 AND `city` IN ("Las Vegas", "Nantes", "Stavern");

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

Answer : SELECT `orderNumber` FROMorderDetails

WHERE `quantityOrdered` < 10;

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

Answer: SELECT `orderNumber`

FROM Customers AS a INNER JOIN orders AS b ON a.customerNumber = b.customerNumber WHERE `customerName` REGEXP "^B.\*";

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

Answer: SELECT `customerName`

FROM Orders AS a INNER JOIN Customers AS b ON

a.`customerNumber`= b.`customerNumber` WHERE

`status`= "Disputed";

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”.

Answer: SELECT `customerName`

FROM Payments INNER JOIN Customers USING (`customerNumber`) WHERE

`paymentDate` = "2004-10-19" AND `checkNumber` REGEXP "^H.\*";

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

Answer: SELECT `checkNumber` FROM Payments

WHERE `amount` > 1000;