SQL WORKSHEET ASSIGNMENT 4

QUES 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

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

Answer. SELECT COUNT(orderNumber)/COUNT(orderDate) FROM orders;

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

Answer. SELECT productName, MIN(MSRP) FROM products;

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

Answer. SELECT `productName` FROM Products
ORDER BY `quantityInStock` DESC LIMIT 1;

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

Answer. SELECT products.productName, COUNT(orderdetails.orderNumber) AS Numberoforders FROM orderdetails INNER JOIN products on orderdetails.productCode=products.productCode ORDER BY productName DESC LIMIT 1;

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

Answer. SELECT customers.customerName, MAX(payments.amount) AS highestpaying FROM payments INNER JOIN customers on payments.customerNumber=customers.customerNumber ORDER BY customertName DESC LIMIT 1;

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

Answer. SELECT customerNumber, customerName FROM customers WHERE city= 'Melbourne';

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

Answer. SELECT customerName FROM customers WHERE customerName LIKE 'N%';

QUES 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 phone LIKE 7% AND city = 'LasVegas';

QUES 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('LasVegas', 'Nantes', 'Stavern');

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

Answer. SELECT orderNumber FROM orderdetails WHERE quantityOrdered<10;

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

Answer. SELECT orders.orderNumber, customers.customerName
INNER JOIN customers ON orders.customerNumber = customers.customerNumber
WHERE customers.customerName LIKE 'N%';

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

Answer. SELECT customers.customerName, orders.status INNER JOIN orders ON customers.customerNumber=orders.CustomerNumber WHERE orders.status='Disputed';

QUES 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".

Answer. SELECT customers.customerName, payments.checkNumber INNER JOIN payments ON customers.customerNumber=payments.customerNumber WHERE customers.customerName LIKE 'H%' AND payments.paymentDate='2004-10-19';

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

Answer. SELECT checkNumber FROM payments WHERE amount>1000;