WORKSHEET 4 SQL

Refer the following ERD and answer all the questions in this worksheet. You have to write the queries using MySQL for the required Operation.

QUESTIONS:

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

SELECT COUNT(orderNumber)/COUNT(shippedDate) AS AVG ORDER FROM orders;

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

SELECT COUNT(orderNumber)/COUNT(orderDate) AS AverageOrder FROM orders;

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

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.

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).

SELECT productName FROM products GROUP BY

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

SELECT customers.customerName FROM customers JOIN payments ON customers.customerNumber=payments. customerNumber ORDER BY payments.amount DESC LIMIT 1;

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

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".

SELECT customerName 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 'LasVegas'.

SELECT customerName FROM customers WHERE customerNumber 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".

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 <10.

SELECT orderNumber FROM orderdetails WHERE quantityOrdered<10;

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

SELECT o.orderNumber FROM orders o LEFT JOIN customer 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.

SELECT c.customerName FROM customers c LEFT JOIN orders o ON c.customerNumber=o.customerNumber WHERE o.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".

SELECT customers.customerName FROM customers LEFT JOIN payments ON customer.customerNumber=payments. customerNumber WHERE payments.checkNumber LIKE "H%" AND payments.paymentDate="2004-10-19";

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

SELECT checkNumber FROM payments WHERE amount>1000;