

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

MySQL for the required Operation.

☐ Customers: stores customer's data.

☐ Products: stores a list of scale model cars.

☐ Product Lines: stores a list of product line categories.

☐ Orders: stores sales orders placed by customers.

☐ Order Details: stores sales order line items for each sales order.

☐ Payments: stores payments made by customers based on their accounts.

☐ Employees: stores all employee information as well as the organization structure such as who reports to whom.

☐ Offices: stores sales office data.

#### QUESTIONS:

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

A. Avg\_ordshipped.cursor.execute ("SELECT AVG(COUNT(shippedDate)) FROM Orders")

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

A. Avg\_ord.cursor.execute ("SELECT AVG(COUNT(orderNumber)) FROM Orders")

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

A. Min\_MSRLP.cursor.execute ("SELECT MIN (MSRP) FROM products")

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

A. Max\_StkQ.cursor.execute ("SELECT MAX (quantityInStock) FROM products")

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

A. MaxOrdProduct.cursor.execute("SELECT productName FROM products WHERE productcode  
FROM products = productcode FOR MAX(quantityordered) FROM orderdetails")

MaxOrdProduct.fetchone()

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

A. MaxPayment.cursor.execute ("SELECT customerName From payments WHERE SUM(payments) =  
MAX SUM (payments)")

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

A. Mel.cursor.execute ("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".

A. N.cursor.execute ("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'.

A. Ph\_City.cursor.execute ("SELECT customerName FROM customers 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".

A. CL.cursor.execute ("SELECT customerName FROM customers WHERE creditLimit < 1000 AND (city = "LasVegas" OR city= "Nantes" OR city= "Stavern")")

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

A. order.cursor.execute ("SELECT orderNumber FROM ordersdetails WHERE quantityOrdered < 10 ")

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

A. Nn.cursor.execute ("SELECT customerNumber FROM customers WHERE customerName LIKE 'N%' ")

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

A. Disputed.cursor.execute ("SELECT customerName FROM customers WHERE customeNumber FROM customers = customernumber WHERE status = "disputed" FROM orders")

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".

A. Chqpay.cursor.execute ("SELECT customerName FROM customers WHERE customeNumber FROM customers = customerNumber WHERE checkNumberLike 'H%' AND paymentDate = 2004-10-19 FROM payments")

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

A. Chq.cursor.execute ("SELECT checkNumber FROM payments WHERE amount < 1000")