

## ASSIGNMENT-4

### WORKSHEET-4 SQL

Refer to 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 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.

1. Write a SQL query to show all the check Number whose amount > 1000.

**Answer.** select check Number from payments where amount > 1000 ;

2. Write a SQL query to show the customer Name who made payment through cheque with check Number starting with H and made payment on "2004-10-19".

**Answer.** select customers. Customer Name from customers INNER JOIN payments ON customers. Customers Number = payments. Customers Number where check Number LIKE 'H%' and payment Date = "2004-10-19" ;

3. Write a SQL query to show all the customer Name whose orders are "Disputed" in status.

**Answer.** select customers. Customer Name from customers INNER JOIN orders ON customers. Customers Number = orders. Customers Number where status = 'Disputed' ;

4. Write a SQL query to show all the order Number whose customer Name start with letter 'N'.

**Answer.** s. select orders. Order Number from orders INNER JOIN customers ON orders. Customers Number = customers. Customers Number where customer Name LIKE 'N%';

5. Write a SQL query to show all the order Number in which quantity ordered <10.

**Answer.** select order Number from orders where quantity ordered <10.

6. 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, creditLimit, city from customers where creditLimit<1000 and city IN ('Las Vegas', 'Nantes', 'Stavern')

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

**Answer.** Ans. select customerName from customers where customersNumber LIKE '7%' AND city IN ('LasVegas');

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%';

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

**Answer.** select customersNumber, customerName from customers where city IN (' Melbourne ');

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

**Answer.** select customers.customerName, payments.amount from customers INNER JOIN payments ON customers.customersNumber=payments.customersNumber ORDER BY amount DESC limit 1;

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

**Answer.** select productName, count(productName) from products GROUP BY productCode ORDER BY count(productName) DESC limit 1;

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

**Answer.** select productName, max(stockQuantity) from products;

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

**Answer.** select productName, min(MSPR) from products;