# SQL – WORKSHEET 4

## MySQL Sample Database SchemaRefer 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.
* ProductLines: stores a list of product line categories.
* Orders: stores sales orders placed by customers.
* OrderDetails: 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 SQL query to show average number of orders shipped in a day (use Orders table).**

Select

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

1. **Write SQL query to show the product name with minimum MSRP (use Products table).**

Select productName from products where MSRP=(select min(MSRP) from products);

1. **Write SQL query to show the product name with maximum value of stockQuantity.**

Select productName from products where quantityInStock=(select max(quantityInStock) from products;

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

Select productName from products

Inner join orderdetails

On product.productcode=orderdetails.productcode

Where orderdetails.quantityOrdered=(select max(quantityOrdered) from orderdetails;

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

Select customerName from customers where creditLimit=(select max(creditLimit) from customers;

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

Select cutomerNumber, customerName from customers where city= ‘Melbourne city’;

1. **Write a SQL query to show name of all the customers whose name start with “N”.**

Select customerName from customers where customerName like ‘N%’;

1. **Write a SQL query to show name of all the customers whose phone start with ‘^7.\*’ and are from city ‘Las Vegas’.**

Select customerName from customers where phone like ‘7%’ and city= ‘Las Vegas’;

1. **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=“Las Vegas” or ”Nantes” or “Stavern”;

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

Select orderNumber from orerdeatils where quantityOrdered<10;

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

Select orderNumber from orders

Inner join customers

On orders.customerNuumber=customers.customerNumber

Where customer.CustomerName like ‘N%’;

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

Select customerName from customers

Inner join orders

On customers.customerNumber= orders.customerNuumber

Where orders.status= ‘Disputed’;

1. **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”.**

Select customerName from customers

inner join payments

on customers.customerNumber=payments.customerNumber

where payments.checkNumber like ‘H%’ and payments.paymentDate= “2004-10-19”;

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

Select checkNumber from payments where amount>1000;