SQL – WORKSHEET 3

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

1. Write SQL query to create table Customers.

Ans= CREATE TABLE Customers (

Customer ID int,

First Name varchar(255),

Last Name Varchar(255),

Address varchar(255)

City Varchar(255) );

1. Write SQL query to create table Orders.

Ans= CREATE TABLE Orders (

Order ID int,

Product id int,

Price int,

Order details Varchar(255),

Order date,

);

1. Write SQL query to show all the columns data from the Orders Table.

Ans= SELECT Orders,

FROM Orders;

SELECT \* FROM Orders;

1. Write SQL query to show all the comments from the Orders Table.

Ans= Select \* from Orders table;

1. Write a SQL query to show order Date and Total number of orders placed on that date, from Orders table.

Ans= Select Order\_date, Order\_number, Shipped\_date

FROM Orders

WHERE Order=0001;

1. Write a SQL query to show employeNumber, lastName, firstName of all the employees from employees table.

Ans= SELECT First\_name, Last\_Name, employee\_Number

FROM Employees

SELECT \* FROM Employees ;

1. Write a SQL query to show all orderNumber, customerName of the person who placed the respective order.

Ans= SELECT Order\_Number,

FROM Orders

SELECT Customer\_name,

FROM Customers

LEFT OUTER JOIN Orders=Order\_Number

ON Customer=Customer\_Name

1. Write a SQL query to show name of all the customers in one column and salerepemployee name in another column

Ans= SELECT employee\_id, First\_name, salary

FROM Employees

WHERE salary >

( SELECT AVG (Salary)

FROM Employees)

SELECT Customer\_name,

FROM Customer

WHERE first\_name = ‘%J%’

Select \* from Customers;

1. Write a SQL query to show Date in one column and total payment amount of the payments made on that date from the payments table.

Ans=SELECT payment\_date

FROM Payments

WHERE amounts=Payment\_date,

FROM Payments

SELECT \* FROM Payments

1. Write a SQL query to show all the products productName, MSRP, productDescription from the products table.

Ans=SELECT Product\_Name, Product\_MSRP,

Product\_description

FROM Product

WHERE product\_name = Products

SELECT \* FROM Products

1. Write a SQL query to print the productName, productDescription of the most ordered product

Ans= SELECT product\_Name, Product\_description

FROM Product

WHERE Product=Most ordered product

FROM Products

SELECT \* FROM Products

1. Write a SQL query to print the city name where maximum number of orders were placed.

Ans= SELECT City\_Name, COUNT(DISTINCT Order\_number)

MAX(placed\_amount)

FROM Orders

GROUP BY City\_Name,

ORDER BY 2 DESC;

1. Write a SQL query to get the name of the state having maximum number of customers.

Ans=SELECT customer\_id, COUNT(DISTINCT ord\_no),

MAX(purch\_amt)

FROM orders

GROUP BY customer\_id

ORDER BY 2 DESC;

1. Write a SQL query to print the employee number in one column and Full name of the employee in the second column for all the employees.

Ans=SELECT employee\_id,

From Employees

SELECT Employee\_name

FROM Employees

WHERE Employees=Employee\_name;

SELECT \* FROM Employees

1. Write a SQL query to print the orderNumber, customer Name and total amount paid by the customer for that order (quantityOrdered × priceEach).

Ans=SELECT Order\_Name,Order\_date,Payment\_amt

FROM Order

Customer\_Name,Customer\_id

FROM Customer

INNER JOIN customer b

ON customer\_id=customer\_id

INNER JOIN Payment\_amt

ON payment\_amt=payment\_amt;