

## **WORKSHEET WORKSHEET 3**

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.

1. Write SQL query to create table Customers.

```
CREATE TABLE Customers ( customerNumber varchar(255), customerName  
varchar(255), contactLastName varchar(255), contactFristName varchar(255), Phone  
varchar(255), addressLine1 varchar(255), addressLine2 varchar(255), city  
varchar(255), state varchar(255), postalCode varchar(255), country varchar(255),  
salesRepEmployeeNumber varchar(255), creditLimit varchar(255)) ;
```

2. Write SQL query to create table Orders.

```
CREATE TABLE Orders (orderNumber varchar(255), orderDate varchar(255),  
requiredDate varchar(255), shippedDate varchar(255), status varchar(255), comments  
varchar(255), customerNumber varchar(255) ) ;
```

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

```
Select * from Orders;
```

4. Write SQL query to show all the comments from the OrdersTable.

```
Select comments from Orders;
```

5. Write a SQL query to show orderDate and Total number of orders placed on that date, from Orders Table.

```
SELECT COUNT(orderDate) FROM Orders;
```

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

```
Select employeeNumber, lastName, firstName from employees ;
```

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

```
Select orderNumber, customerName from orders;
```

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

```
SELECT customers.customerName,employees.firstname  
FROM customers  
INNER JOIN employees ON Customers.salesRepEmployeeNumber =  
employees.employeeNumber;
```

9. 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.

**SELECT paymentDate, amount FROM payments;**

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

**SELECT productName, MSRP, productDescription from products;**

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

**Select productName, productDescription, MIN(quantityInStock) from products ;**

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

**SELECT customers.city,Orders.cusomerNumber  
FROM (Orders  
INNER JOIN customers ON Orders.cusomerNumber =  
Employees.cusomerNumber)  
GROUP BY city  
ORDER BY COUNT(city) DESC  
LIMIT 1;**

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

**SELECT state FROM customers GROUP BY state  
ORDER BY COUNT(state) DESC  
LIMIT 1;**

14. 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.

**SELECT employeeNumber, firstName, lastName FROM employee;**

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

**SELECT orders.orderNumber, customers.customerName, payments.amount  
FROM (( orders INNER JOIN customers ON  
orders.customerNumber=Customers.customerNumber)  
INNER JOIN employees ON Orders.customerNumber = Shippers.ShipperID);**