

## SQL Worksheet 3

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

Q1- Write SQL query to create table Customers

Answer-

```
CREATE TABLE Customers (customerNumber INT PRIMARY KEY, customerName TEXT,contactLastName TEXT, contactLastName TEXT, phone INT,addressLine1 TEXT,addressLine2 TEXT, city TEXT,state TEXT,postalCode INT,country TEXT, salesRepEmployeeNumber INT, creditLimit INT)
```

2. Write SQL query to create table Orders.

Answer-

```
CREATE TABLE Orders( orderNumber INT PRIMARY KEY, orderDate DATE, requiredDate DATE, shippedDate DATE ,status TEXT, comments TEXT, customerNumber INT)
```

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

Answer-

```
SELECT * FROM Orders
```

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

Answer-

```
SELECT comments from Orders
```

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

```
SELECT COUNT(*) ,FROM Orders Where orderDate='12-12-2022'
```

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

Answer-

```
SELECT employeeNumber, lastName, firstName FROM employees
```

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

Answer-

```
SELECT orders.orderNumber,customers. customerName FROM orders INNER JOIN customers ON orders.customerNumber =customers.customerNumber
```

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

Answer- 

```
SELECT customerName,salesRepEmployeeNumber from customers.
```

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.

Answer-

```
SELECT paymentDate,SUM (amount) FROM payments WHERE paymentDate='30-12-2022'
```

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

Answer-

```
SELECT productName, MSRP, productDescription FROM products.
```

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

```
SELECT TOP 1 productName, productDescription FROM products
```

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

SELECT

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

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.

Answer-

**SELECT employeeNumber ,CONCAT(firstName ,' ',lastName) as FullName from employees**

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