

## WORKSHEET 3 SQL

1. Write SQL query to create table Customers.

Ans.

```
CREATE TABLE Customers (  
    customerNumber int PRIMARY KEY,  
    customerName varchar(255),  
    contactLastName varchar(255),  
    contactFirstName varchar(255),  
    phone int,  
    addressLine1 varchar(255),  
    addressLine2 varchar(255),  
    city varchar(255),  
    state varchar(255),  
    postalCode int,  
    country varchar(255),  
    salesRepEmployeeNumber  
    creditLimit varchar(255)  
);
```

2. Write SQL query to create table Orders.

Ans.

```
CREATE TABLE Orders (  
    OrderNumber int PRIMARY KEY,  
    orderDate DATE,  
    requiredDate DATE,  
    shippeDate DATE,  
    status varchar(255)  
    comments varchar(255)  
    customerNumber int,  
);
```

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

Ans. `SELECT * FROM Orders;`

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

Ans. `SELECT comments FROM Orders;`

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

Ans.

```
SELECT orderDate,  
COUNT(orderNumber)  
FROM Orders  
GROUP BY country  
ORDER BY COUNT(orderNumber) DESC ;
```

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

Ans.

```
SELECT employeeNumber, lastName, firstName employees;
```

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

Ans

```
SELECT a.customerName As "Order placed"
FROM customers a
LEFT OUTER JOIN orders b
ON a.customerNumber=b.customerNumber
order by b.OrderDate;
```

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

Ans.

```
SELECT employees.firstName AS "employee_name",
customers.customerName
FROM employees,customers
WHERE employees.employeeNumber =customers.salesRepEmployeeNumber;
```

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.

Ans.

```
SELECT orders.orderNumber,
payments.amount
FROM orders,payments
WHERE orders.customerNumber =payments.customerNumber;
```

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

Ans.

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

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

Ans.

```
SELECT products.productName, products.productDescription,
orderdetails.productCode
FROM products,orderdetails
WHERE products.productCode =orderdetails.productCode;
```

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

Ans.

```
SELECT customers.city,  
orders.customerNumber  
FROM customers,orders  
WHERE customers.customerNumber =orders.customersNumber;
```

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

Ans.

```
SELECT state, COUNT(DISTINCT customerNumber),  
MAX(customerNumber)  
FROM customers  
GROUP BY state  
ORDER BY 2 DESC;
```

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.

Ans.

```
SELECT employeeNumber, CONCAT(firstname , ' ' , lastname) as "Full_name" form  
employees;
```

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

Ans.