1: Create the database:

CREATE DATABASE Lucky\_Shrub;

2: Use the database:

USE Lucky\_Shrub;

3: Create the Orders table:

CREATE TABLE Orders(OrderID INT NOT NULL, ClientID VARCHAR(10) DEFAULT NULL, ProductID VARCHAR(10) DEFAULT NULL, Quantity INT DEFAULT NULL, Cost DECIMAL(6,2) DEFAULT NULL, Date DATE DEFAULT NULL, PRIMARY KEY (OrderID));

4: Create the Employees table:

CREATE TABLE Employees(EmployeeID INT DEFAULT NULL, FullName VARCHAR(100) DEFAULT NULL, Role VARCHAR(50) DEFAULT NULL, Department VARCHAR(255) DEFAULT NULL);

5: Insert data into the Orders table:

INSERT INTO Orders (OrderID, ClientID, ProductID , Quantity, Cost, Date)

VALUES

(1, "Cl1", "P1", 10, 500, "2020-09-01"),

(2, "Cl2", "P2", 5, 100, "2020-09-05"),

(3, "Cl3", "P3", 20, 800, "2020-09-03"),

(4, "Cl4", "P4", 15, 150, "2020-09-07"),

(5, "Cl3", "P3", 10, 450, "2020-09-08"),

(6, "Cl2", "P2", 5, 800, "2020-09-09"),

(7, "Cl1", "P4", 22, 1200, "2020-09-10"),

(8, "Cl3", "P1", 15, 150, "2020-09-10"),

(9, "Cl1", "P1", 10, 500, "2020-09-12"),

(10, "Cl2", "P2", 5, 100, "2020-09-13"),

(11, "Cl1", "P2", 15, 80, "2020-09-12"),

(12, "Cl1", "P1", 10, 500, "2022-09-01"),

(13, "Cl2", "P2", 5, 100, "2022-09-05"),

(14, "Cl3", "P3", 20, 800, "2022-09-03"),

(15, "Cl4", "P4", 15, 150, "2022-09-07"),

(16, "Cl3", "P3", 10, 450, "2022-09-08"),

(17, "Cl2", "P2", 5, 800, "2022-09-09"),

(18, "Cl1", "P4", 22, 1200, "2022-09-10"),

(19, "Cl3", "P1", 15, 150, "2022-09-10"),

(20, "Cl1", "P1", 10, 500, "2022-09-12"),

(21, "Cl2", "P2", 5, 100, "2022-09-13"),

(22, "Cl2", "P1", 10, 500, "2021-09-01"),

(23, "Cl2", "P2", 5, 100, "2021-09-05"),

(24, "Cl3", "P3", 20, 800, "2021-09-03"),

(25, "Cl4", "P4", 15, 150, "2021-09-07"),

(26, "Cl1", "P3", 10, 450, "2021-09-08"),

(27, "Cl2", "P1", 20, 1000, "2022-09-01"),

(28, "Cl2", "P2", 10, 200, "2022-09-05"),

(29, "Cl3", "P3", 20, 800, "2021-09-03");

6: Insert data into the Employees table:

INSERT INTO Employees (EmployeeID, FullName, Role, Department)

VALUES

(1, "Seamus Hogan", "Manager", "Management"),

(2, "Thomas Eriksson", "Assistant ", "Sales"),

(3, "Simon Tolo", "Executive", "Management"),

(4, "Francesca Soffia", "Assistant ", "Human Resources"),

(5, "Emily Sierra", "Accountant", "Finance"),

(6, "Greta Galkina", "Accountant", "Finance"),

(7, "Maria Carter", "Executive", "Human Resources"),

(8, "Rick Griffin", "Manager", "Marketing");

SELECT \* FROM Orders;

SELECT \* FROM Orders WHERE ClientID ='Cl1';

SELECT \* FROM Employees WHERE FullName LIKE '%Tolo';

**Step 1: Add a new column to the Employees table called ReverseFullName.**

ALTER TABLE Employees ADD COLUMN ReverseFullName varchar(100);

**Step 2: Populate the ReverseFullName column with the name of each employee as its values, but in reverse.**

UPDATE Employees SET ReverseFullName = CONCAT(SUBSTRING\_INDEX(FullName, '

', -1), ' ', SUBSTRING\_INDEX(FullName, ' ', 1));

**Step 3: Finally, create an index named IdxReverseFullName on the ReverseFullName column.**

CREATE INDEX IdxReverseFullName ON clients (ReverseFullName);

SELECT \* FROM Employees WHERE ReverseFullName LIKE 'Tolo%';