TASK 3  
[Main Flow Services and Technologies Pvt. Ltd.](https://www.linkedin.com/company/main-flow-services-and-technologies/)  
  
1. Create Tables  
  
Define the structure of the tables using the CREATE TABLE statement. Let’s use an example scenario of Employees and Departments:  
  
CREATE TABLE Employees (  
 EmployeeID INT PRIMARY KEY,  
 FirstName VARCHAR(50),  
 LastName VARCHAR(50),  
 DepartmentID INT,  
 Salary DECIMAL(10, 2)  
);  
  
CREATE TABLE Departments (  
 DepartmentID INT PRIMARY KEY,  
 DepartmentName VARCHAR(50),  
 Location VARCHAR(50)  
);  
  
INSERT INTO Employees VALUES   
(1, 'Alice', 'Smith', 1, 75000.00),  
(2, 'Bob', 'Johnson', 2, 80000.00),  
(3, 'Charlie', 'Brown', 3, 90000.00),  
(4, 'Diana', 'White', NULL, 60000.00);  
  
INSERT INTO Departments VALUES   
(1, 'HR', 'New York'),  
(2, 'IT', 'San Francisco'),  
(3, 'Finance', 'Chicago'),  
(4, 'Marketing', 'Boston');  
  
  
SELECT e.FirstName, d.DepartmentName   
FROM Employees e INNER JOIN Departments d ON e.DepartmentID = d.DepartmentID;  
  
SELECT e.FirstName, d.DepartmentName   
FROM Employees e LEFT JOIN Departments d ON e.DepartmentID = d.DepartmentID;  
  
SELECT e.FirstName, d.DepartmentName   
FROM Employees e RIGHT JOIN Departments d ON e.DepartmentID = d.DepartmentID;  
  
SELECT e.FirstName, d.DepartmentName   
FROM Employees e FULL OUTER JOIN Departments d ON e.DepartmentID = d.DepartmentID;  
  
SELECT e.FirstName, d.DepartmentName   
FROM Employees e CROSS JOIN Departments d;