**Assignment -7:-**

**Table Employees:-**

CREATE TABLE Employees (

    EmpID INT PRIMARY KEY,

    EmpName VARCHAR(50),

    DepartmentID INT

);

INSERT INTO Employees (EmpID, EmpName, DepartmentID)

VALUES

(1, 'Alice', 101),

(2, 'Bob', 102),

(3, 'Charlie', 103),

(4, 'Diana', NULL),

(5, 'Eve', 101);

**Table Departments:-**

CREATE TABLE Departments (

    DepartmentID INT PRIMARY KEY,

    DeptName VARCHAR(50),

    Location VARCHAR(50)

);

INSERT INTO Departments (DepartmentID, DeptName, Location)

VALUES

(101, 'HR', 'New York'),

(102, 'IT', 'San Francisco'),

(103, 'Finance', 'Chicago'),

(104, 'Sales', 'Boston');

1. Retrieve all employees along with their department names, but only for those who have a department assigned
2. Retrieve all employees and their department names. If an employee does not belong to a department, show NULL for the department name
3. Retrieve all departments and their employees. If a department has no employees, show NULL for the employee name.
4. Retrieve all employees and departments, including those without matching records.
5. Create a combination of all employees and departments.
6. Create a combined list of all employee names and department names.
7. Find the department IDs that exist in both Employees and Departments (use intersect command).
8. Find the department IDs that exist in Departments but not in Employees.