Experiment - 2

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STATEMENT:-

You are a Database Engineer at TalentTree Inc., an enterprise HR analytics platform that stores employee data, including their reporting relationships. The company maintains a centralized Employee relation that holds:
Each employee's ID, name, department, and manager ID (who is also an employee in the same table).

Your task is to generate a report that maps employees to their respective managers, showing:
The employee's name and department
Their manager's name and department (if applicable)
This will help the HR department visualize the internal reporting hierarchy.

CODE :-

```
USE NEW

CREATE TABLE Employee (
    EmpID INT PRIMARY KEY,
    Ename VARCHAR(50),
    Department VARCHAR(50),
    ManagerID INT
);

INSERT INTO Employee (EmpID, Ename, Department, ManagerID) VALUES
```

```
(1, 'Alice',   'HR',      NULL),
(2, 'Bob',     'Finance', 1),
(3, 'Charlie', 'IT',      1),
(4, 'David',   'Finance', 2),
(5, 'Eve',     'IT',      3),
(6, 'Frank',   'HR',      1);

SELECT
    E1.Ename AS EmployeeName,
    E1.Department AS EmployeeDept,
    E2.Ename AS ManagerName,
    E2.Department AS ManagerDept
FROM
    Employee E1
LEFT OUTER JOIN
    Employee E2
ON
    E1.ManagerID = E2.EmpID;
```

Output : -

	EmployeeName	EmployeeDept	ManagerName	ManagerDept
1	Alice	HR	NULL	NULL
2	Bob	Finance	Alice	HR
3	Charlie	IT	Alice	HR
4	David	Finance	Bob	Finance
5	Eve	IT	Charlie	IT
6	Frank	HR	Alice	HR