

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