DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

Experiment-4

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1. Aim:
   To **display the details of each employee along with their manager's name and department**, using a self-join on the EMPLOYEE table.

2. Objective:

This code helps us:

1. **Understand employee-manager relationships** within the same table.
2. Use **self join** (i.e., joining the table with itself) to fetch manager-related data.
3. Provide a **clear view** of each employee's:
   - Name
   - Department
   - Manager's Name
   - Manager's Department

3. Code

```
CREATE TABLE EMPLOYEE(
EMP_ID INT primary key,
EMP_NAME VARCHAR(25),
DEPARTMENT VARCHAR(25),
MANAGER_ID INT);
```

```
INSERT INTO EMPLOYEE (EMP_ID,EMP_NAME,DEPARTMENT,MANAGER_ID)
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.EMP_NAME AS [EMPLOYEE NAME], E2.EMP_NAME AS [MANAGER
NAME],
E1.DEPARTMENT AS [EMPLOYEE_DEPT], E2.DEPARTMENT AS [MANAGER_DEPT]
FROM EMPLOYEE AS E1
LEFT OUTER JOIN
EMPLOYEE AS E2
ON
E1.MANAGER_ID = E2.EMP_ID;
```