EXPERIMENT 2.1

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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
EMPLOY
EE AS E2
ON
E1.MANAGER_ID = E2.EMP_ID;

4. Outout:

	EMPLOYEE NAME	MANAGER NAME	EMPLOYEE_DEPT	MANAGER_DEPT
1	alice	NULL	hr	NULL
2	bob	alice	finance	hr
3	charlie	alice	it	hr
4	david	bob	finance	finance
5	eve	charlie	it	it
6	frank	alice	hr	hr