DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

EXPERIMENT 2.1

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Semester: 5th	Date of Performance: 22/07/25
Subject Name: ADBMS	Subject Code: 23CSP-333

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

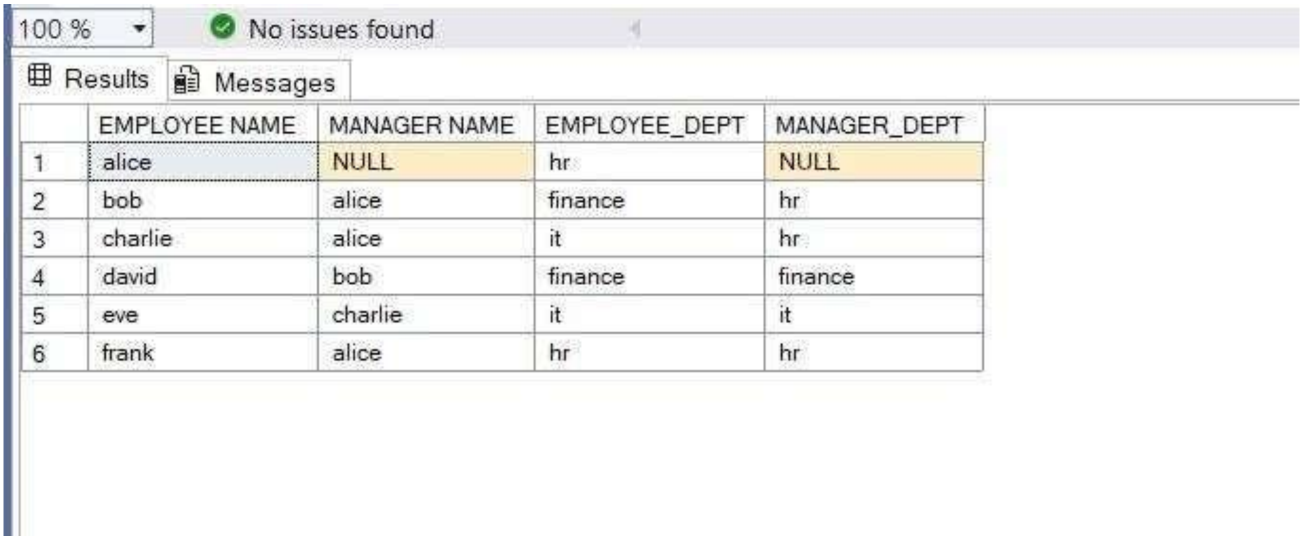
3. Code:

```
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