DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
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Experiment 2

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Subject Name: ADBMS | **Subject Code:** 23CSP-333

1. **AIM:**

Problem Statement:
Create a table named employee_TABLE with the following fields: emp_id (Primary Key), emp_name, emp_dept, and manager_id (which is a Foreign Key referencing emp_id of the same table). Then, perform a self-join query to display each employee's name and department along with their manager's name and department.

2. **Solution:**

Solution:

```
CREATE TABLE employee_TABLE(
   emp_id INT PRIMARY KEY,
   emp_name VARCHAR(MAX),
   emp_dept VARCHAR(MAX),
   manager_id INT,
   FOREIGN KEY (manager_id) REFERENCES employee_TABLE(emp_id)
);


insert into employee_TABLE VALUES

(1,'OM PRAKASH','HR',2),



(2,'PREAM','FINANCE',1),

(3,'SIDDARTHA','IT',1),
```

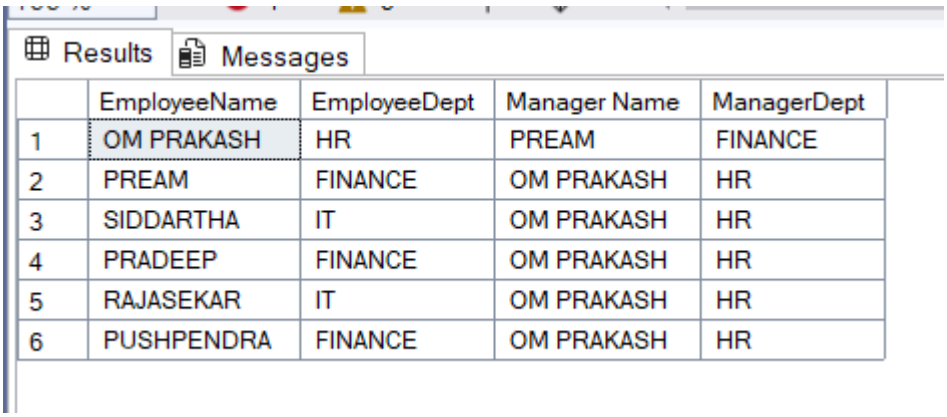
```
(4,'PRADEEP','FINANCE',1),

(5,'RAJASEKAR','IT',1),

(6,'PUSHPENDRA','FINANCE',1);


SELECT
   A.emp_name AS EmployeeName,
   A.emp_dept AS EmployeeDept,
   E.emp_name AS [Manager Name],
   E.emp_dept AS ManagerDept
FROM
   employee_TABLE AS A
LEFT JOIN
   employee_TABLE AS E
ON
   E.emp_id = A.manager_id;
```

3. **Output:**



Results | Messages

	EmployeeName	EmployeeDept	Manager Name	ManagerDept
1	OM PRAKASH	HR	PREAM	FINANCE
2	PREAM	FINANCE	OM PRAKASH	HR
3	SIDDARTHA	IT	OM PRAKASH	HR
4	PRADEEP	FINANCE	OM PRAKASH	HR
5	RAJASEKAR	IT	OM PRAKASH	HR
6	PUSHPENDRA	FINANCE	OM PRAKASH	HR