SQL Practice - Day-1 - 20250120

Question:

Given the following two tables:

Employees
EmployeeID	Name	DepartmentID	Salary	JoinDate
1	John Smith	10	80000	2019-05-15
2	Jane Doe	20	95000	2018-06-01
3	Mike Johnson	10	60000	2021-01-12
4	Emily Davis	30	75000	2020-03-20

Departments
DepartmentID	DepartmentName	ManagerID
10	Engineering	1
20	Sales	2
30	HR	NULL

Task:
Write a query to find the average salary of employees in each department. Additionally, include the department name and the name of the department manager in the result. If a department does not have a manager, show "No Manager" as the manager's name.

Expected Output:
DepartmentName	AverageSalary	ManagerName
Engineering	70000	John Smith
Sales	95000	Jane Doe
HR	75000	No Manager

**Query:

WITH CTE AS(
SELECT D.*,
CASE
    WHEN D.ManagerID IS NULL THEN "NO MANAGER"
    ELSE E.EmployeeName
        END AS MANAGER_NAME
FROM DEPARTMENTS AS D
LEFT JOIN EMPLOYEES AS E
ON D.ManagerID = E.EmployeeID
)

SELECT C.DepartmentName,
        C.Manager_Name,

```sql
        AVG(E.Salary)
FROM CTE AS C
LEFT JOIN EMPLOYEES AS E
ON C.DepartmentID = E.DepartmentID
GROUP BY C.DepartmentName, C.Manager_Name
;
```