Experiment-3.3

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1. Aim:
Merging Employee Histories: Who Earned Least? (Hard)

Two legacy HR systems (A and B) have separate records of employee salaries. These records may overlap. Management wants to **merge these datasets** and identify **each unique employee (**by EmpID) along with their **lowest recorded salary** across both systems.

2. Objective
1. Combine two tables A and B.

2. Return each EmpID with their **lowest salary,** and the corresponding **Ename.**

3. DBMS Script :

```
--EXPERIMENT 03:Merging Employee Histories: Who Earned Least? (Hard)

CREATE TABLE A( empid integer, Ename VARCHAR(20), Salary INTEGER);
CREATE TABLE B(empid integer, Ename VARCHAR(20), Salary INTEGER);

INSERT INTO A VALUES
(1,'AA',1000),
(2,'BB',300);

INSERT INTO b VALUES
(2,'BB',400),
(3,'CC',100);

SELECT EMPID,Max(ENAME) AS ENAME,MIN(SALARY) AS SALARY
FROM(
SELECT * FROM A
UNION ALL
SELECT * FROM B
) AS INTERMEDIATE_RESULT
GROUP BY empid;
```

4. Output:

	EMPID	ENAME	ESALARY
1	1	AA	1000
2	2	BB	300
3	3	CC	100

5. Learning Outcomes:

- Successfully implemented sub-queries to extract top salary earners by department.
- Practiced combining two datasets with UNION ALL.
- Used GROUP BY and aggregate functions (MAX, MIN) to derive meaningful insights.
- Understood how to merge historical records and identify minimum salaries.
- Strengthened SQL querying skills for analytical use cases.