



## Experiment-1

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**Branch:** CSE

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**Subject Name:** ADBMS

**UID:** 23BCS10849

**Section/Group:** KRG-2B

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### 1. Aim:

- a.) 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.

#### **Objective**

1. Combine two tables A and B.
2. Return each EmpID with their **lowest salary**, and the corresponding **Ename**.

### 2. Objective:

- Combine two tables A and B.
- Return each EmpID with their **lowest salary**, and the corresponding **Ename**.

### 3. DBMS Script :

-- 1. Create Table A

CREATE TABLE A (

EmpID INT,

Ename VARCHAR(50),

Salary INT

);

-- 2. Insert data into Table A

INSERT INTO A (EmpID, Ename, Salary) VALUES

(1, 'AA', 1000),

(2, 'BB', 300);

-- 3. Create Table B



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CREATE TABLE B (

EmpID INT,

Ename VARCHAR(50),

Salary INT

);

-- 4. Insert data into Table B

INSERT INTO B (EmpID, Ename, Salary) VALUES

(2, 'BB', 400),

(3, 'CC', 100);

-- 5. Final Query: Find lowest salary per EmpID with correct Ename

SELECT EmpID, Ename, Salary AS LowestSalary

FROM (

SELECT EmpID, Ename, Salary,

ROW\_NUMBER() OVER (PARTITION BY EmpID ORDER BY Salary ASC) AS rn

FROM (

SELECT EmpID, Ename, Salary FROM A

UNION ALL

SELECT EmpID, Ename, Salary FROM B

) AS Combined

) AS Ranked

WHERE rn = 1;



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## OUTPUT:

EmpID	Ename	LowestSalary
1	AA	1000
2	BB	300
3	CC	100

## 4. Learning Outcomes:

- You will be able to write basic SQL queries.
- You will learn to perform SUB-QUERIES in SQL.



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