

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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## Experiment - 3.2 (hard)

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Subject Name: ADBMS

Subject- Code : 23CSP - 333

**Problem Title** - Merging Employee Histories: Who Earned Least

### 1. Aim:

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:

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

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## 3. Code:

```
CREATE TABLE A (EMPID INT PRIMARY KEY, ENAME VARCHAR(MAX),  
SALARY INT)
```

```
INSERT INTO A (EMPID, ENAME, SALARY) VALUES (1, 'AA', 1000), (2, 'BB', 300)
```

```
CREATE TABLE B (EMPID INT PRIMARY KEY, ENAME VARCHAR(MAX),  
SALARY INT)
```

```
INSERT INTO B (EMPID, ENAME, SALARY) VALUES (2, '88', 400), (3, 'CC', 100);
```

```
SELECT EMPID, MIN(ENAME) AS ENAME, MIN(SALARY) AS SALARY FROM
```

```
(
```

```
SELECT FROM A
```

```
UNION ALL
```

```
SELECT FROM B
```

```
AS INTERMEDIATE RESULT
```

```
GROUP BY EMPID
```

```
)
```

#### 4. Output:

Results		Messages	
	EMPID	ENAME	SALARY
1	1	AA	1000
2	2	BB	300
3	3	CC	100