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BATCH: 3K2

DBMS LAB

DATE: 7/11/25

## EMPLOYEE DATABASE ADDITIONAL QUERIES

-- 4.List employees with their department name & location

```
SELECT E.ENAME, D.DNAME, D.DLOC
```

```
FROM Employee E, Dept D
```

```
WHERE E.DEPTNO = D.DEPTNO;
```

Result Grid			
Filter Rows:			
	ENAME	DNAME	DLOC
▶	David	HR	Bengaluru
	Ramesh	Finance	Hyderabad
	Amar	Engineering	Mysuru
	Bharat	Engineering	Mysuru
	Omkar	Marketing	Bengaluru
	Suresh	Sales	Chennai
	Tejas	IT Support	Kolkata

-- 5.Employees who are not assigned to any project

```
SELECT E.ENAME
```

```
FROM Employee E
```

```
WHERE E.EMPNO NOT IN (
```

```
    SELECT EMPNO FROM AssignedTo);
```

Result Grid	
ENAME	

-- 6.Project-wise headcount

```
SELECT P.PNAME, COUNT(A.EMPNO) AS Headcount
```

```
FROM Project P, AssignedTo A
```

```
WHERE P.PNO = A.PNO
```

```
GROUP BY P.PNAME;
```

Result Grid			Filter Rows:
	PNAME	Headcount	
▶	Alpha	1	
	Beta	1	
	Charlie	2	
	Delta	1	
	Epsilon	1	
	Gamma	1	

-- 7.Department-wise average & maximum salary

```
SELECT D.DNAME, AVG(E.SAL) AS Avg_Salary, MAX(E.SAL) AS Max_Salary
FROM Employee E, Dept D
WHERE E.DEPTNO = D.DEPTNO
GROUP BY D.DNAME;
```

Result Grid				Filter Rows:
	DNAME	Avg_Salary	Max_Salary	
▶	HR	65000.000000	65000.00	
	Finance	72000.000000	72000.00	
	Engineering	71500.000000	75000.00	
	Marketing	60000.000000	60000.00	
	Sales	70000.000000	70000.00	
	IT Support	71000.000000	71000.00	

-- 8.Total incentives earned by each employee (lifetime)

```
SELECT E.ENAME, SUM(I.INCENTIVE_AMOUNT) AS Total_Incentives
FROM Employee E, Incentives I
WHERE E.EMPNO = I.EMPNO
GROUP BY E.ENAME;
```

Result Grid			Filter Rows:
	ENAME	Total_Incentives	
▶	Amar	5000.00	
	Bharat	3000.00	
	Ramesh	4500.00	
	David	2500.00	
	Omkar	4000.00	
	Suresh	3500.00	
	Tejas	3200.00	

-- 9. Employees working on a given project (e.g., "Alpha" project)

```
SELECT E.ENAME, P.PNAME
FROM Employee E, Project P, AssignedTo A
WHERE E.EMPNO = A.EMPNO AND A.PNO = P.PNO AND P.PNAME = 'Alpha';
```

Result Grid			Filter Rows:
	ENAME	PNAME	
▶	David	Alpha	

-- 10. Departments with no employees

```
SELECT D.DNAME
FROM Dept D
WHERE D.DEPTNO NOT IN (
    SELECT DEPTNO FROM Employee);
```

Result Grid	
	DNAME

-- 11. Managers and their direct report counts

```
SELECT M.ENAME AS Manager_Name, COUNT(E.EMPNO) AS Report_Count
FROM Employee M, Employee E
WHERE E.MGR_NO = M.EMPNO
GROUP BY M.ENAME;
```

Result Grid			Filter Rows:
	Manager_Name	Report_Count	
▶	Amar	3	
	Ramesh	2	
	Bharat	1	

-- 12. Employees assigned to more than one project

```
SELECT E.ENAME, COUNT(A.PNO) AS Project_Count
```

```
FROM Employee E, AssignedTo A
```

```
WHERE E.EMPNO = A.EMPNO
```

```
GROUP BY E.ENAME
```

```
HAVING COUNT(A.PNO) > 1;
```

Result Grid			Filter Rows:
	ENAME	Project_Count	
▶	Amar	1	
	Bharat	1	
	Ramesh	1	
	David	1	
	Omkar	1	
	Suresh	1	
	Tejas	1	