

NAME: SUMANT SHRIDHAR

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;
```

	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);
```

	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;
```

	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;
```

	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;
```

	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	
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		
	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		
	ENAME	Project_Count
▶	Amar	1
	Bharat	1
	Ramesh	1
	David	1
	Omkar	1
	Suresh	1
	Tejas	1