

DBMS LAB 5 07/11/2025 EMPLOYEE DATABASE QUERY'S

-- List employees with their department name & location

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

```
FROM EMPLOYEE E ,DEPT D
```

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

OUTPUT:

	ENAME	DNAME	DLOC
▶	Ravi Kumar	Operations	Bengaluru
	Anita Singh	Sales	Hyderabad
	Suresh Patil	Operations	Bengaluru
	Priya Menon	Research	Mysuru
	Amit Sharma	IT	Pune
	Sunita Rao	Marketing	Bengaluru
	Deepak Verma	Support	Hyderabad

-- Employees who are not assigned to any project ,Project-wise headcount

```
SELECT E.ENAME
```

```
FROM EMPLOYEE E
```

```
LEFT JOIN ASSIGNED_TO A
```

```
ON E.EMPNO=A.EMPNO
```

```
WHERE A.EMPNO IS NULL;
```

OUTPUT:

	ENAME

-- Department-wise average & max salary

```
SELECT D.DEPTNO,avg(E.SAL) AVERAGESAL, max(E.SAL) AS MAXSAL  
FROM EMPLOYEE E  
JOIN DEPT D  
ON E.DEPTNO=D.DEPTNO  
GROUP BY D.DEPTNO;  
OUTPUT:
```

DEPTNO	AVERAGESAL	MAXSAL
10	55000.000000	60000.00
20	55000.000000	55000.00
30	65000.000000	65000.00
50	70000.000000	70000.00
60	52000.000000	52000.00
70	48000.000000	48000.00

-- Total incentives earned by each employee (lifetime)

```
SELECT E.ENAME,sum(I.INCENTIVE_AMOUNT)  
FROM EMPLOYEE E , INCENTIVES I  
WHERE E.EMPNO=I.EMPNO  
GROUP BY E.EMPNO;
```

OUTPUT:

ENAME	sum(I.INCENTIVE_AMOUNT)
Ravi Kumar	5000.00
Anita Singh	4500.00
Suresh Patil	4000.00
Priya Menon	5500.00
Sunita Rao	3000.00

-- Employees working on a given project (EX:project name :Alpha Project)

```
SELECT E.ENAME,P.PNAME  
FROM EMPLOYEE E,PROJECT P,ASSIGNED_TO A  
WHERE E.EMPNO=A.EMPNO AND A.PNO=P.PNO  
AND P.PNAME ="AIResearch";
```

OUTPUT:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	ENAME	PNAME		
▶	Priya Menon	AIResearch		

-- Departments with no employees

```
SELECT D.DNAME,D.DEPTNO
```

```
FROM DEPT D  
LEFT JOIN EMPLOYEE E  
ON E.DEPTNO=D.DEPTNO  
WHERE E.DEPTNO IS NULL;
```

OUTPUT:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	DNAME	DEPTNO		
▶	HumanResources	40		

-- Employees assigned to more than one project.

```
SELECT e.EMPNO,e.ENAME,COUNT(a.PNO) AS project_count  
FROM EMPLOYEE e  
JOIN ASSIGNED_TO a ON e.EMPNO = a.EMPNO  
GROUP BY e.EMPNO, e.ENAME  
HAVING COUNT(a.PNO) > 1;
```

OUTPUT:

Result Grid		
Filter Rows: <input type="text"/>		
Export: Wrap Cell Content:		
	EMPNO	ENAME
		project_count

-- Managers and their direct report counts (MGR_NO references EMPNO)

```
SELECT m.EMPNO AS manager_id,  
m.ENAME AS manager_name,  
COUNT(e.EMPNO) AS report_count  
FROM EMPLOYEE m  
LEFT JOIN EMPLOYEE e ON e.MGR_NO = m.EMPNO  
GROUP BY m.EMPNO, m.ENAME  
HAVING COUNT(e.EMPNO) > 0  
ORDER BY report_count DESC;
```

OUTPUT:

Result Grid		
Filter Rows: <input type="text"/>		
Export: Wrap Cell Content:		
	manager_id	manager_name
	report_count	
▶	1001	Ravi Kumar
	1002	Anita Singh
	1003	Suresh Patil
	3	
	2	
	1	