

DBMS LAB 5 07/11/2025 EMPLOYEE DATABASE QUERYs

-- 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:

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
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:

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
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)

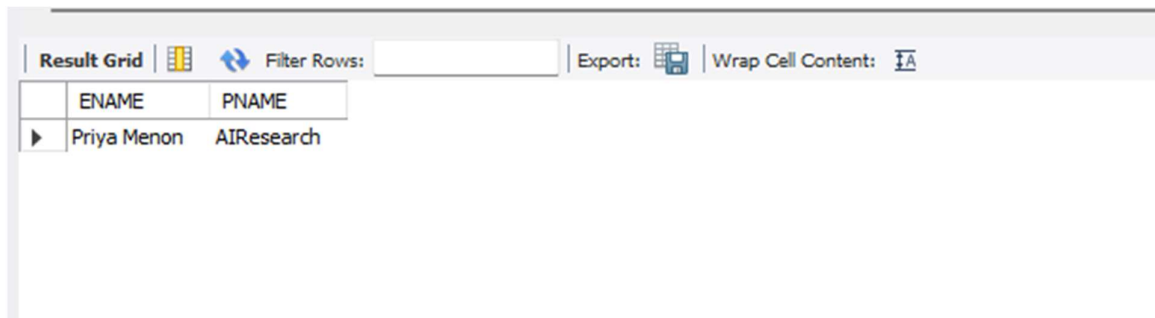
```
SELECT E.ENAME,sum(I.INCENTIVE_AMOUNT)
FROM EMPLOYEE E , INCENTIVES I
WHERE E.EMPNO=I.EMPNO
GROUP BY E.EMPNO;
OUTPUT:
```

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 ="AIRsearch";
```

OUTPUT:

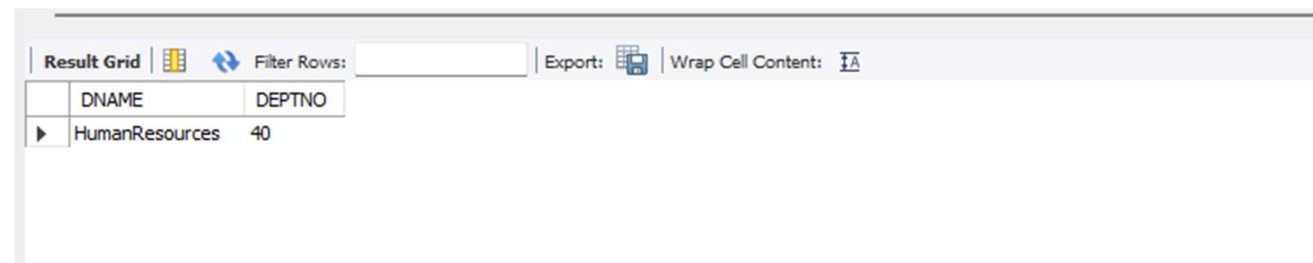


	ENAME	PNAME
▶	Priya Menon	AIRsearch

-- 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:



	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:	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:	Export:	Wrap Cell Content:
manager_id	manager_name	report_count	
1001	Ravi Kumar	3	
1002	Anita Singh	2	
1003	Suresh Patil	1	