

## Lab 5 : continued queries for the database created in previous lab

1. List employees with their department name & location

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

```
from EMPLOYEE E
```

```
join DEPT D on E.DEPTNO= D.DEPTNO;
```

38      where A.PNO is null ;

Result Grid	Filter Rows:	Export:	Wrap
EMPNO	ENAME	DNAME	DLOC
1001	Arjun	IT	Bengaluru
1002	Manoj	HR	Hyderabad
1003	Rahul	IT	Bengaluru
1004	Sneha	Finance	Mysuru
1005	Vikram	Marketing	Bengaluru

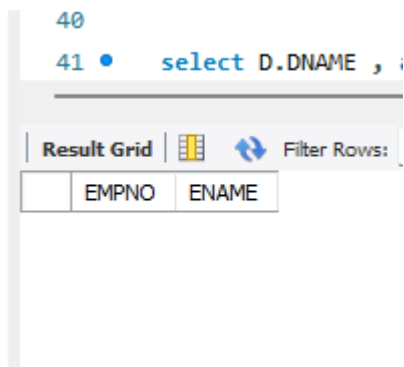
2. Employees who are not assigned to any project ,Project-wise headcount

```
select E.EMPNO, E.ENAME
```

```
from EMPLOYEE E
```

```
left join ASSIGNED_TO A on E.EMPNO=A.EMPNO
```

```
where A.PNO is null ;
```



### 3. Department-wise average & max salary

```
select D.DNAME , avg(E.SAL) as AVG_SALARY, MAX(E.SAL) as MAX_SALARY
from EMPLOYEE E
join DEPT D on E.DEPTNO = D.DEPTNO
group by D.DNAME;
```

Result Grid			
		Filter Rows:	
	DNAME	AVG_SALARY	MAX_SALARY
▶	IT	55000.000000	60000.00
	HR	45000.000000	45000.00
	Finance	70000.000000	70000.00
	Marketing	90000.000000	90000.00

#### 4. Total incentives earned by each employee (lifetime)

```
select E.ENAME , sum(INCENTIVE_AMOUNT)
from EMPLOYEE E , INCENTIVES I
where E.EMPNO=I.EMPNO
group by E.ENAME;
```

rance

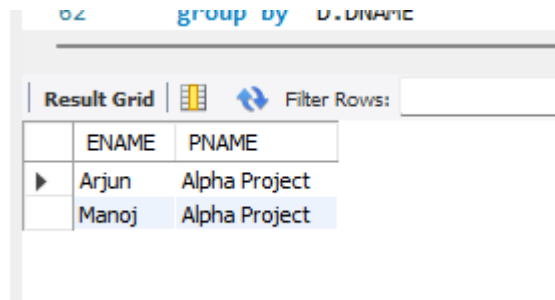
Result Grid		
		Filter Rows:
	ENAME	sum(INCENTIVE_AMOUNT)
▶	Arjun	5000.00
	Rahul	3000.00
	Vikram	7000.00

5. Employees working on a given project (project name :Alpha Project)

```
select E.ENAME , P.PNAME
```

```
from EMPLOYEE E , PROJECT P , ASSIGNED_TO A
```

```
where P.PNO= A.PNO and E.EMPNO=A.EMPNO and P.PNAME="Alpha Project";
```



The screenshot shows a database query result grid. At the top, there is a header bar with the text "group by D.DNAME". Below this, there is a tab labeled "Result Grid" and a "Filter Rows:" button. The main table has two columns: "ENAME" and "PNAME". The data rows are:

	ENAME	PNAME
▶	Arjun	Alpha Project
	Manoj	Alpha Project

6. Departments with no employees

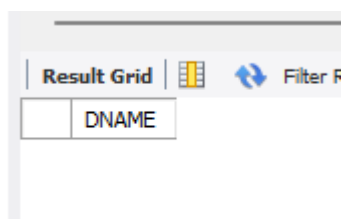
```
select D.DNAME
```

```
from DEPT D , EMPLOYEE E
```

```
where D.DEPTNO=E.DEPTNO
```

```
group by D.DNAME
```

```
having count(E.ENAME)=0;
```



The screenshot shows a database query result grid. At the top, there is a header bar with the text "Result Grid" and a "Filter F" button. The main table has one column: "DNAME".

DNAME
-------

7. Managers and their direct report counts (MGR\_NO references EMPNO)

```
select M.EMPNO as MANAGERNO, M.ENAME as MANAGERNAME ,count(E.EMPNO)
from EMPLOYEE M
where M.EMPNO = E.MGR_NO
group by M.EMPNO , E.ENAME
having count(E.EMPNO>0)
order by report_count desc;
```

15

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

	Manager_ID	Manager_Name	Direct_Report_Count
▶	1005	Vikram	1
	1001	Arjun	1
	1002	Meera	1
	1003	Rahul	1

8. Employees assigned to more than one project.

```
select E.ENAME , count(P.PNO)
from EMPLOYEE E , PROJECT P , ASSIGNED_TO A
where E.EMPNO=A.EMPNO and P.PNO = A.PNO
group by E.EMPNO
```

having count(P.PNO)>1;

Result Grid			
Filter Rows:			
	EMPNO	ENAME	Project_Count