

EMPLOYEE DATABASE
ADDITIONAL QUERIES
TEJAS BHARADWAJ
LAB 5 DBMS

-- List employees with their department name & location

```
select e.ename, a.dname,a.dloc
```

```
from employee e, dept a
```

```
where e.deptno=a.deptno;
```

ename	dname	dloc
Ramesh	CSE	Bangalore
John	ECE	Delhi
William	MECH	Mumbai
Askeladd	SCIENCE	Hyderabad
Jyothi	ARTS	Punjab
Raju	COMMERCE	Kashmir

-- Employees who are not assigned to any project

```
select ename
```

```
from employee e
```

```
where empno not in(select empno from assigned_to);
```

ename

-- Project-wise headcount of employee

```
select p.pname, count(a.empno) as total_employees
```

```
from project p, assigned_to a
```

```
where p.pno=a.pno
```

```
group by p.pname;
```

pname	total_employees
Alpha	1
Beta	1
Charile	1
Delta	1
Epsilon	1
Gamma	1

```
-- Department-wise average & max salary

select d.dname, avg(e.sal) as average_salary,max(e.sal) as max_salary

from employee e, dept d

where e.deptno=d.deptno

group by d.dname;
```

dname	average_salary	max_salary
CSE	50000.0000	50000
ECE	70000.0000	70000
MECH	100000.0000	100000
SCIENCE	90000.0000	90000
ARTS	40000.0000	40000
COMMERCE	25000.0000	25000

```
-- Total incentives earned by each employee (lifetime)

select e.ename, i.empno, sum(i.incentive_amt) as total_incentives

from employee e, incentives i

where e.empno=i.empno

group by e.empno;
```

ename	empno	total_incentives
Ramesh	1	15000
John	2	1000
William	3	7000
Askeladd	4	55000
Jyothi	5	8000
Raju	6	9000

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

select p.pname, e.ename

from employee e, project p, assigned_to a

where e.empno=a.empno and a.pno=p.pno and p.pname="Alpha";
```

pname	ename
Alpha	Ramesh

```
-- Departments with no employees

select dname
from dept
where deptno not in (select deptno from employee);
```

dname

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

```
select e.mgr_no, count(e.empno)
from assigned_to a, employee e
where e.empno=a.empno
group by e.mgr_no;
```

mgr_no	count(e.empno)
100	1
101	1
102	1
103	1
104	1
105	1

```
-- Employees assigned to more than one project.
```

```
select e.empno,e.ename
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;
```

empno	ename
-------	-------