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Employee Additional Queries

Queries:

1. 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

2. Employees who are not assigned to any project

select ename

from employee e

where empno not in(select empno from assigned_to);

ename

3. 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

4. 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

5. 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

6. 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

7. Departments with no employees

select dname

from dept

where deptno not in (select deptno from employee);

dname

8. 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

9. 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