OUTPUTS

1)

fname	salary
Franklin	40000.00
Ramesh	38000.00
Jennifer	43000.00

2)

PNO	COUNT (ESSN)
2	3
10	3
20	3
30	3

3)

dname	count (dlocation)
Research	3

4)

lname	num_dependents
Wong	3

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* Aim: Answer the following queries based on 'company' database.

1) ~~Using a subquery, list the name of the employee~~ Find all employees who earn more than the average salary in their department.

-> Select fname, salary from employee where salary > (select avg(salary) from employee e where dno = e.dno);

2) Select projects with more than two employees, sorted from high to low.

-> Select pno, count(essn) from works_on group by pno having count(essn) > 2 order by count(essn) desc;

3) Lists the departments that have more than two locations

-> Select d.dname, count(l.dlocation) from department d join dept_location l on d.dnumber = l.dnumber group by d.dnumber having count(l.dlocation) > 2;

4) Lists if the employees "Wong" or "Jabbar" have more than two dependents.

-> Select e.lname, count(d.dependent_name) as num_dependents from employee e join dependent d on e.ssn = d.essn where e.lname in ('Wong', 'Jabbar') group by e.lname having count(d.dependent_name) > 2;

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5)

pname	num_female	num_male
Newbenefits	2	1

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5) Name the project where majority of female employees are working.

→ Select p.pname, count (case when e.sex = 'F' then 1 end) as num_female, count (case when e.sex = 'M' then 1 end) as num_male from employee e, project p, works_on w where e.ssn = w.essn and w.pno = p.pnumber group by p.pname having num_female > num_male;

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