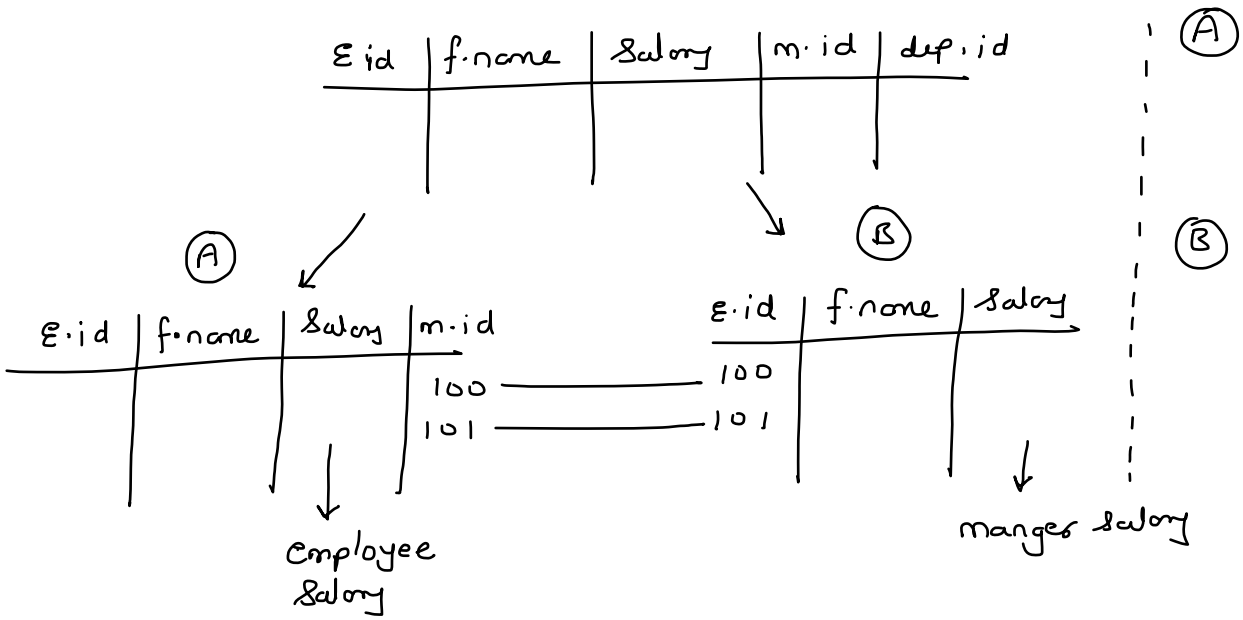
SQL

Relevel
by Unacademy



C_1	C_2	C_3
1	2	a
2	1	b
3	3	c

C_1	C_2	C_3
4	2	d
5	9	e

A union B

C_1	C_2	C_3
1	2	a
2	1	b
3	3	c
4	2	d
5	9	e

$(m.salar - e.salary) > 5000$

Joins → Joining colouns of multiple tables

union → Concat rows

union — union all (will return all rows with duplicated rows)

(Remove duplicated rows)

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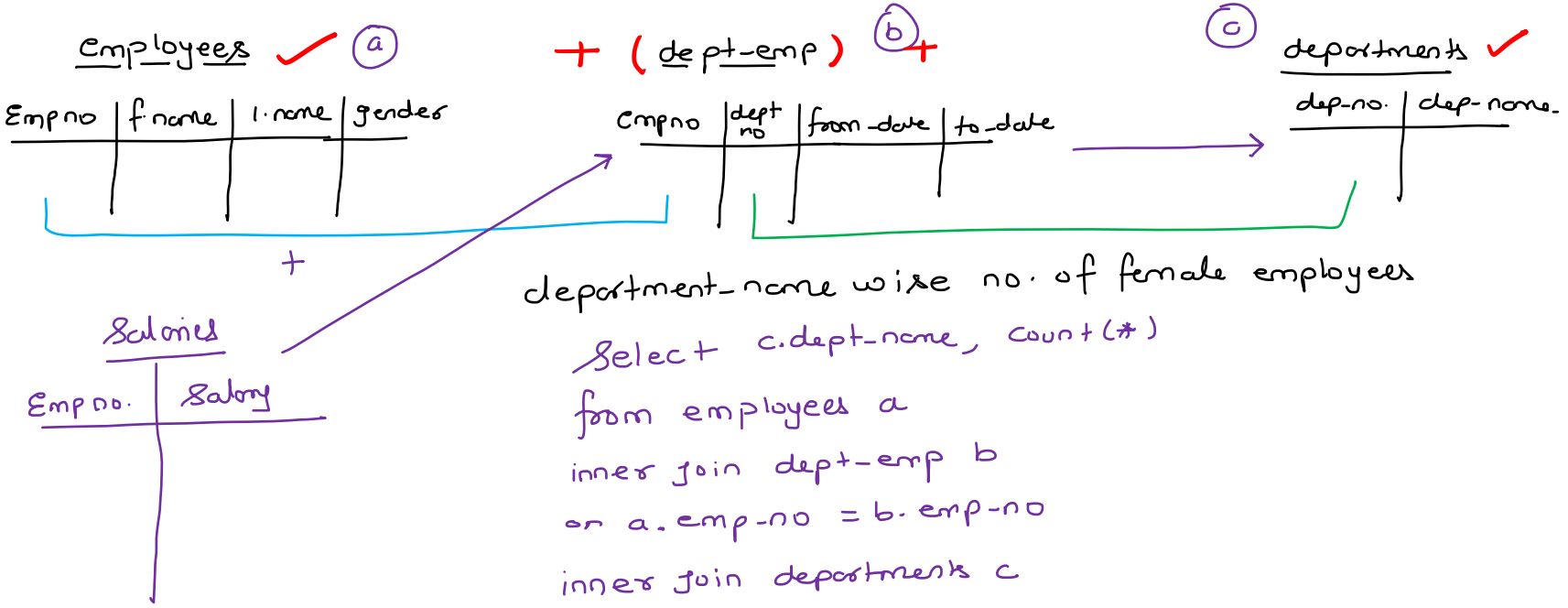

department_name wise no. of female employees

```
Select c.dept_name, count(*)
from employees a
inner join dept_emp b
on a.emp_no = b.emp_no
inner join departments c
on b.dept_no = c.dept_no
where a.gender = 'F'
group by c.dep_name
order by count(*) desc;
```

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Emp

Emp.id	f.name	l.name	Salary	manger.id	Dep.id
E1	Sumit	Shukla	15	E0	D1
E2	Ajay	Tiwari	15	E1	D1
E3	Robin	Sharma	16	E2	D1

+

find employee-name together with their manger name.

E.id	e.name	m.id	m.name
E2	Ajay	E1	Sumit
E3	Robin	E2	Ajay

Self_join

e.id, e.name

Emp.id	f.name	manger.id
E1	Sumit	E0
E2	Ajay	E1
E3	Robin	E2

+

m.id, m.name

Emp.id	f.name	manger.id
NA	NA	NA
E1	Sumit	E0
E2	Ajay	E1

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