create table salary (id serial primary key, name varchar(100), age int, salary int, department varchar(100))

select \* from salary

insert into salary (name,age, salary, department) values ('Mukesh', 26, 55200, 'Sales')

update salary set department = 'IT' where department = 'computer'

select department, avg(salary) as avg\_salary from salary group by department

select name,salary as avg\_sal from salary where salary > (select avg(salary) from salary)

select avg(salary) from salary group by department

WITH dept\_avg AS (

SELECT department, AVG(salary) AS avg\_salary

FROM salary

GROUP BY department

)

SELECT \* FROM dept\_avg WHERE avg\_salary > 50000;

-- How to get nth higest salary

SELECT DISTINCT salary

FROM salary

ORDER BY salary DESC

OFFSET 2 limit 1 -- 3rd highest salary

-- How to find duplicate record from the table

SELECT name, COUNT(\*)

FROM salary

GROUP BY name

HAVING COUNT(\*) > 1;

DELETE FROM salary;

TRUNCATE TABLE salary;

-- Select the 2nd highst salary from tbl

select distinct salary from salary order by salary desc offset 1 limit 1

select \* from salary where salary > (select avg(salary) from salary)

alter table salary add column joining\_date date

SELECT department, COUNT(\*) AS total\_employees

FROM salary

GROUP BY department

HAVING COUNT(\*) > 2;

select \* from salary order by salary desc limit 1

SELECT \* FROM salary

WHERE salary = (SELECT MAX(salary) FROM salary);

select department, count(\*) from salary group by department

update salary set joining\_date = '12/02/2024' where department = 'finance'

SELECT \* FROM salary

WHERE joining\_date >= CURRENT\_DATE - INTERVAL '6 months';

select name,department,count(\*) from salary group by name,department having count(\*) > 1

select \* from salary where department is null

select name,salary from salary group by name,salary

SELECT \*

FROM (

SELECT \*,

RANK() OVER (PARTITION BY department ORDER BY salary DESC) AS rnk

FROM salary

) sub

WHERE rnk <= 2;

SELECT \*,

RANK() OVER (PARTITION BY department ORDER BY salary DESC) AS rnk

FROM salary