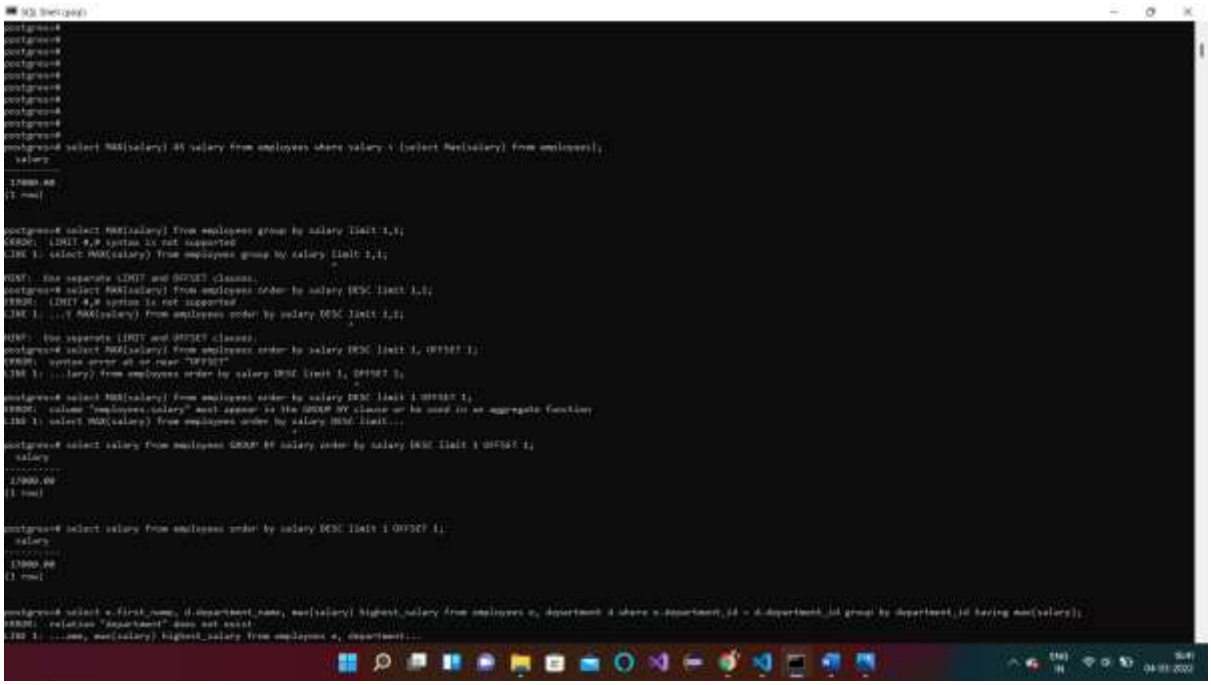
1. WAQ to display second highest salary in HR schema.

Different ways to display second highest are:

select MAX(salary) AS salary from employees where salary < (select Max(salary) from employees);

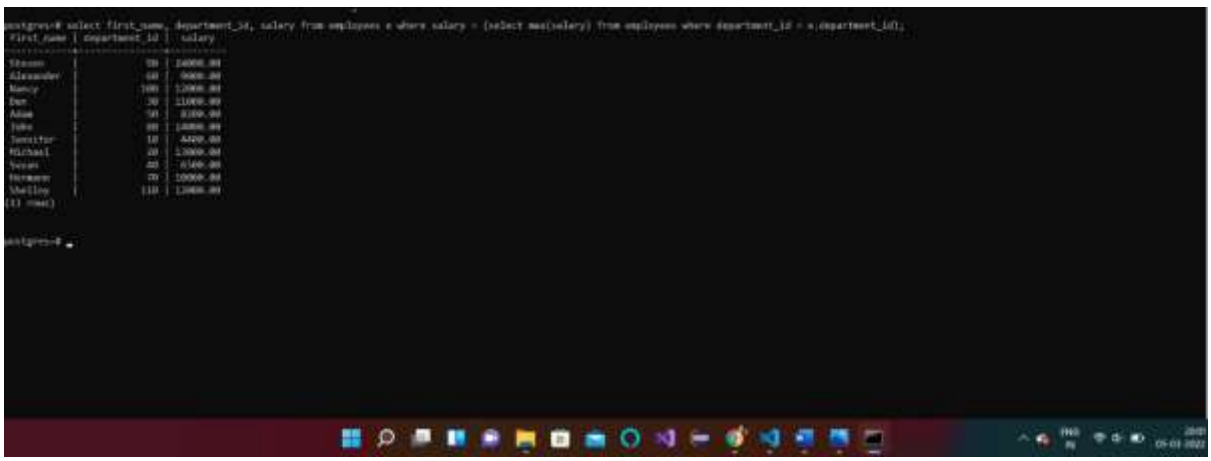
select salary from employees GROUP BY salary order by salary DESC limit 1 OFFSET 1;

select salary from employees order by salary DESC limit 1 OFFSET 1;



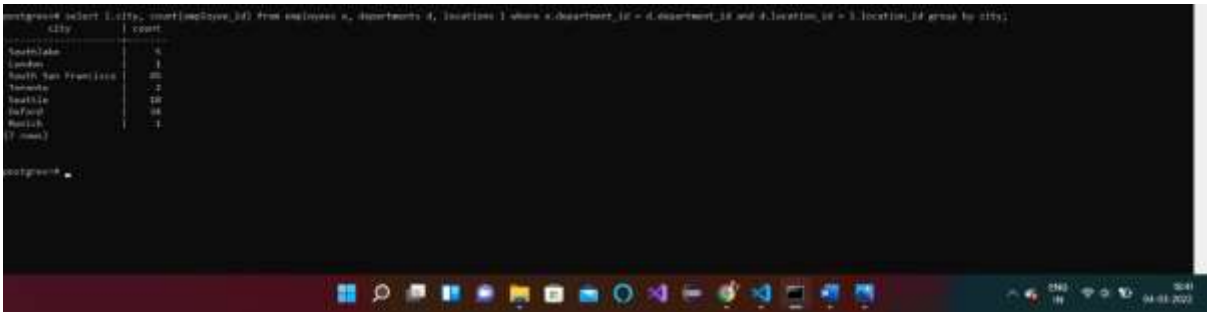
2. WAQ to display name of employee who is earning maximum in his/her department.

select first_name, department_id, salary from employees e where salary = (select max(salary) from employees where department_id = e.department_id);



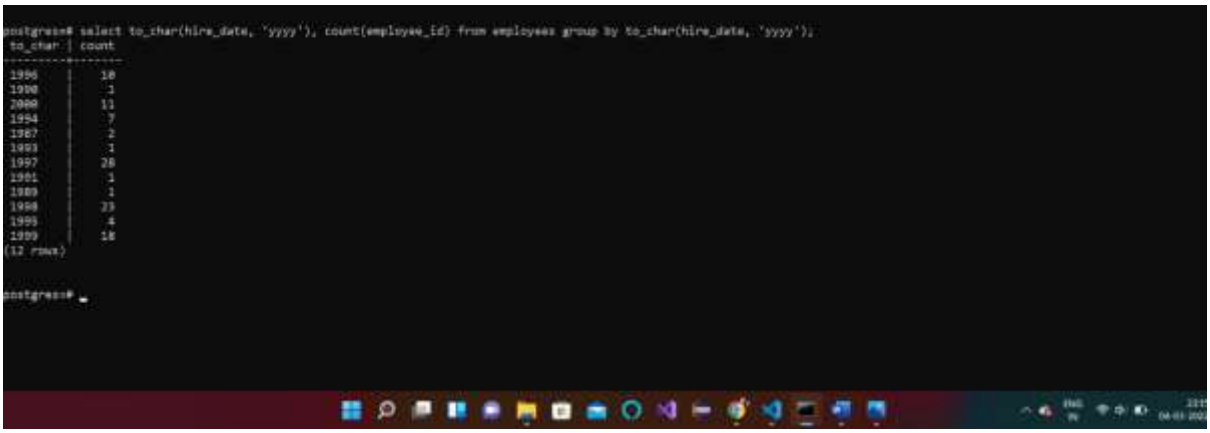
3. **WAQ to display employees count who are working from same location.**

select l.city, count(employee_id) from employees e, departments d, locations l where e.department_id = d.department_id and d.location_id = l.location_id group by city;



4. **WAQ to display number of employees joined year wise.**

select to_char(hire_date, 'yyyy'), count(employee_id) from employees group by to_char(hire_date, 'yyyy');



5. **WAQ to print top 2 earning employee name and salary in each department.**

select e.first_name, d.department_name, e.salary from employees e inner join department d on e.department_id = d.id where (department_id, salary) in (select department_id, max(salary) from employees AND salary < (select Max(salary) from employees) group by department_id);