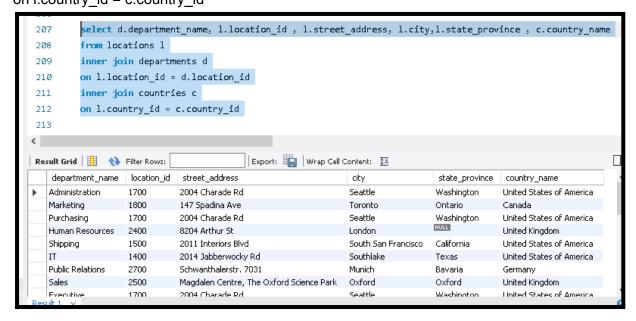
Join

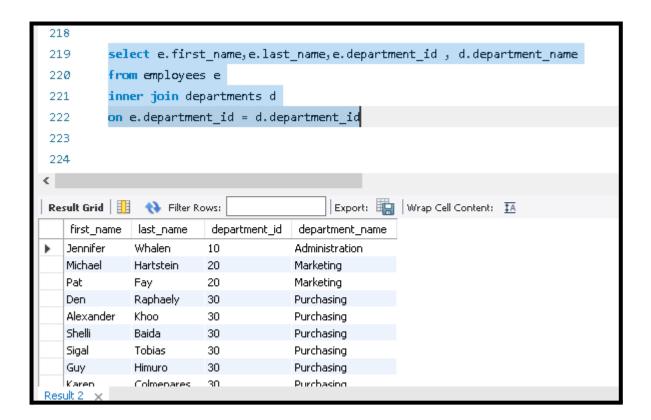
1. Write a query to find the addresses (location_id, street_address, city, state_province, country_name) of all the departments.

select d.department_name, I.location_id , I.street_address, I.city,I.state_province , c.country_name from locations I inner join departments d on I.location_id = d.location_id inner join countries c on I.country_id = c.country_id



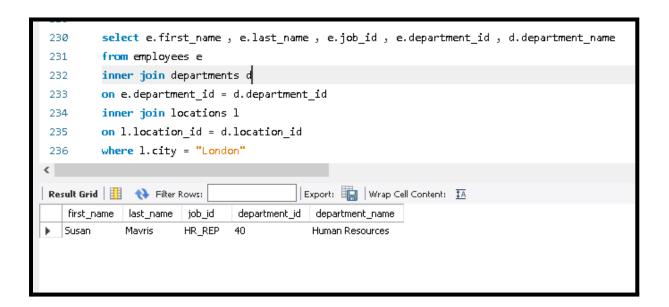
2. Write a query to find the name (first_name, last name), department ID and name of all the employees.

select e.first_name,e.last_name,e.department_id , d.department_name from employees e inner join departments d on e.department id = d.department id



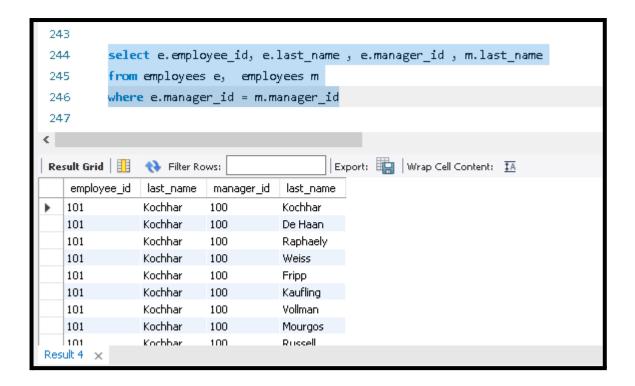
3. Write a query to find the name (first_name, last_name), job, department ID and name of the employees who works in London.

```
select e.first_name , e.last_name , e.job_id , e.department_id , d.department_name from employees e inner join departments d on e.department_id = d.department_id inner join locations I on I.location_id = d.location_id where I.city = "London"
```



4. Write a query to find the employee id, name (last_name) along with their manager_id and name (last_name).

```
select e.employee_id, e.last_name , e.manager_id , m.last_name from employees e, employees m where e.manager_id = m.manager_id
```

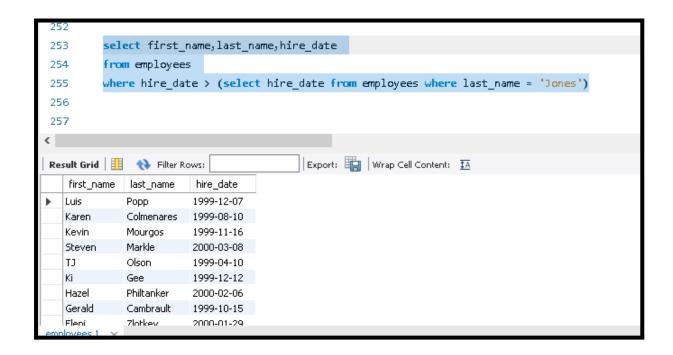


5. Write a query to find the name (first_name, last_name) and hire date of the employees who was hired after 'Jones.

```
select first_name,last_name,hire_date
from employees
where hire_date > (select hire_date from employees where last_name = 'Jones')
```

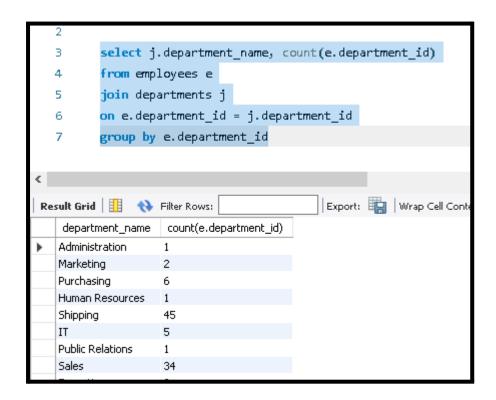
OR

```
SELECT e.first_name, e.last_name, e.hire_date
FROM employees e
JOIN employees davies
ON (davies.last_name = 'Jones')
WHERE davies.hire_date < e.hire_date;
```



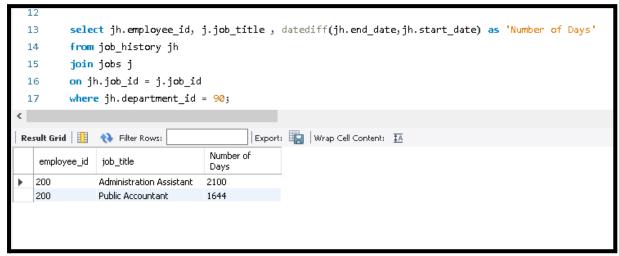
6. Write a query to get the department name and number of employees in the department.

```
select j.department_name, count(e.department_id)
from employees e
join departments j
on e.department_id = j.department_id
group by e.department_id
```



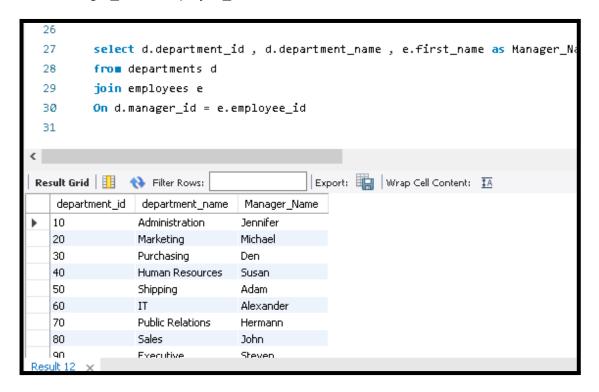
7. Write a query to find the employee ID, job title, number of days between ending date and starting date for all jobs in department 90.

select jh.employee_id, j.job_title , datediff(jh.end_date,jh.start_date) as 'Number of Days' from job_history jh join jobs j on jh.job_id = j.job_id where jh.department_id = 90;



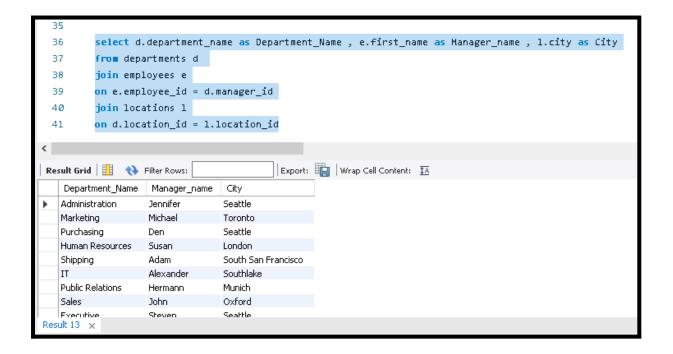
8. Write a query to display the department ID and name and first name of manager.

select d.department_id , d.department_name , e.first_name as Manager_Name from departments d join employees e
On d.manager_id = e.employee_id



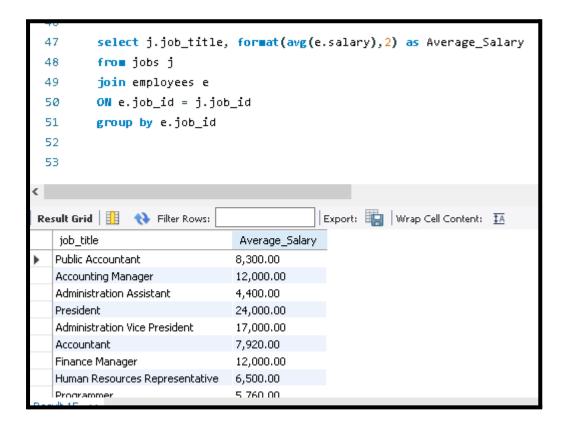
9. Write a query to display the department name, manager name, and city.

select d.department_name as Department_Name , e.first_name as Manager_name , l.city as City from departments d join employees e on e.employee_id = d.manager_id join locations I on d.location_id = l.location_id



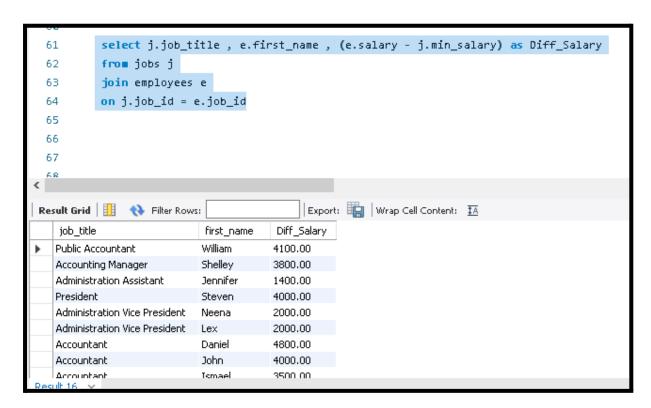
10. Write a query to display the job title and average salary of employees.

select j.job_title, format(avg(e.salary),2) as Average_Salary from jobs j
join employees e
ON e.job_id = j.job_id
group by e.job_id



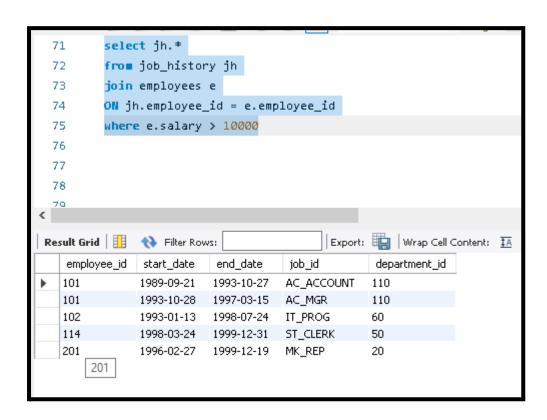
11. Write a query to display job title, employee name, and the difference between salary of the employee and minimum salary for the job.

```
select j.job_title , e.first_name , (e.salary - j.min_salary) as Diff_Salary from jobs j join employees e on j.job_id = e.job_id
```



12. Write a query to display the job history that were done by any employee who is currently drawing more than 10000 of salary.

select jh.*
from job_history jh
join employees e
ON jh.employee_id = e.employee_id
where e.salary > 10000



13. Write a query to display department name, name (first_name, last_name), hire date, salary of the manager for all managers whose experience is more than 15 years.

select d.department_name , e.first_name , e.last_name , e.hire_date , e.salary from departments d join employees e ON e.manager_id = d.manager_id where year(e.hire_date) > 15

