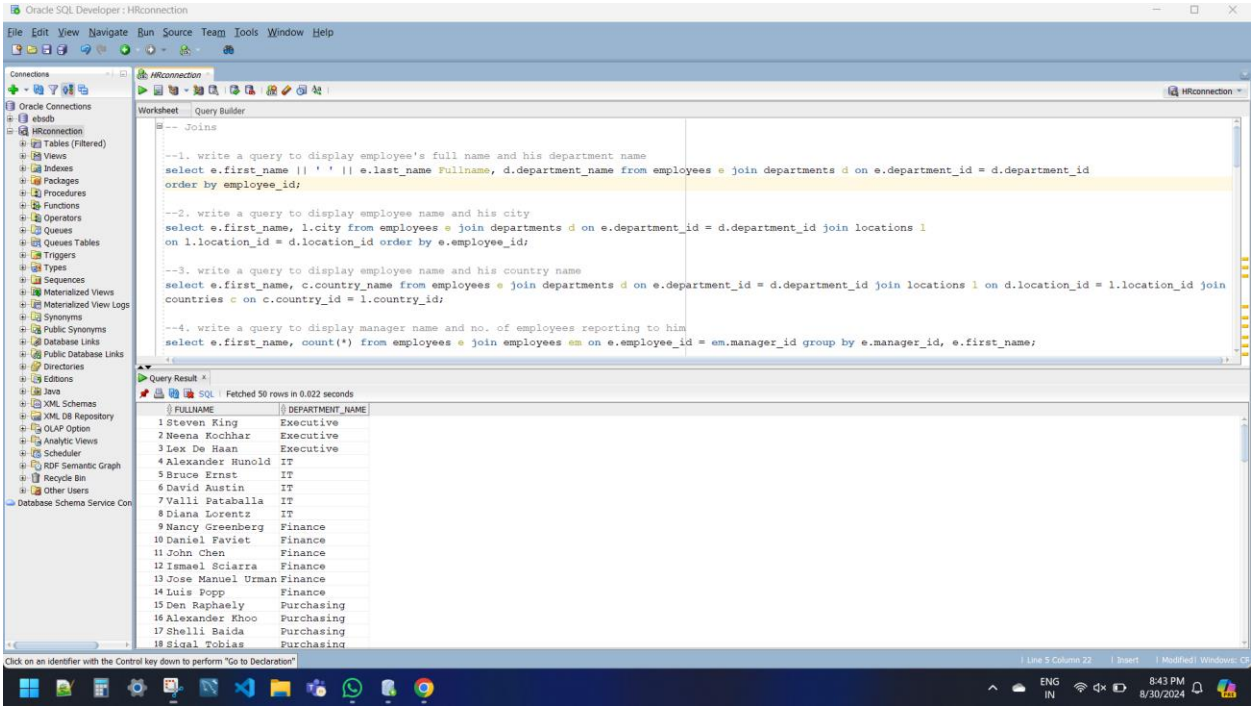
-- Joins

--1. write a query to display employee's full name and his department name

select e.first_name || ' ' || e.last_name Fullname, d.department_name from employees e join departments d on e.department_id = d.department_id

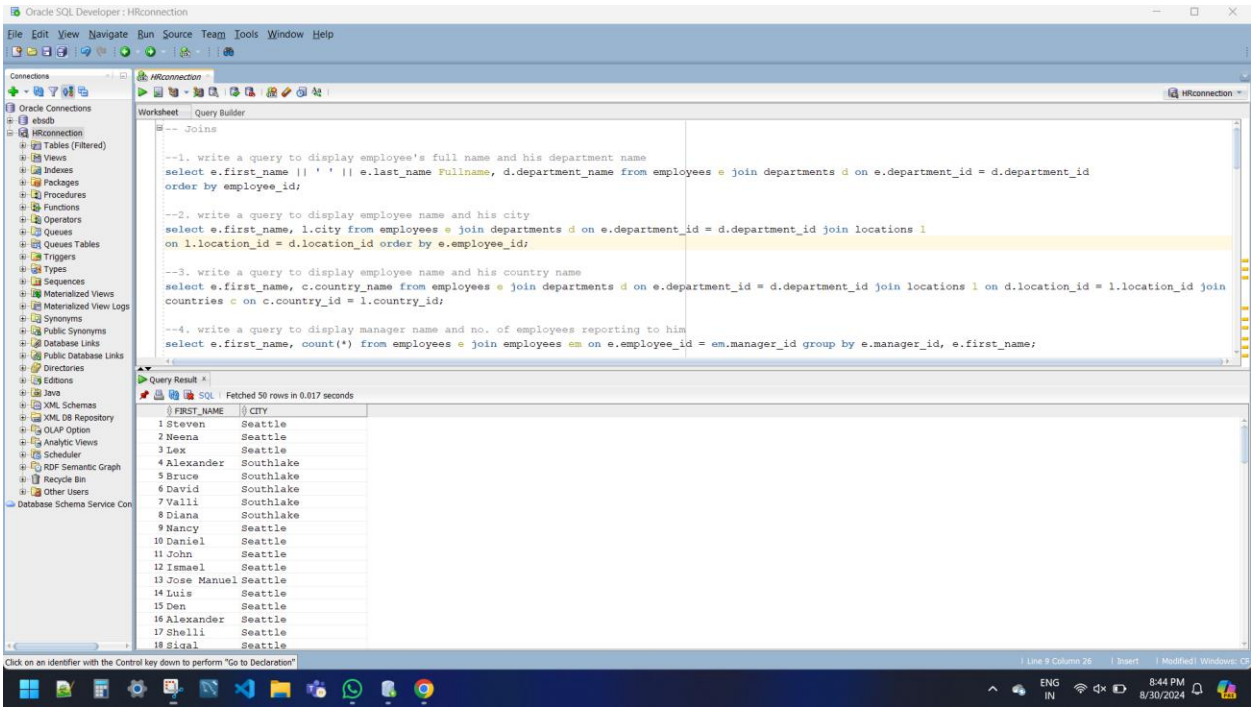
order by employee_id;



--2. write a query to display employee name and his city

select e.first_name, l.city from employees e join departments d on e.department_id = d.department_id join locations l

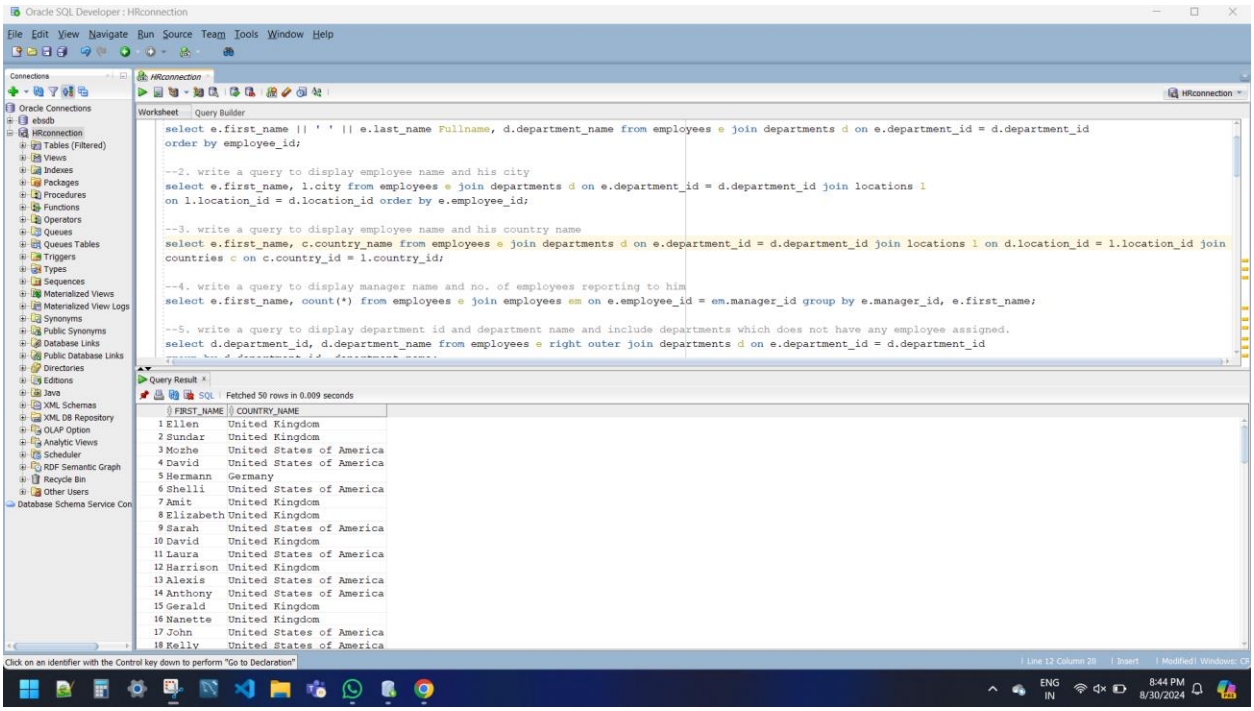
on l.location_id = d.location_id order by e.employee_id;



--3. write a query to display employee name and his country name

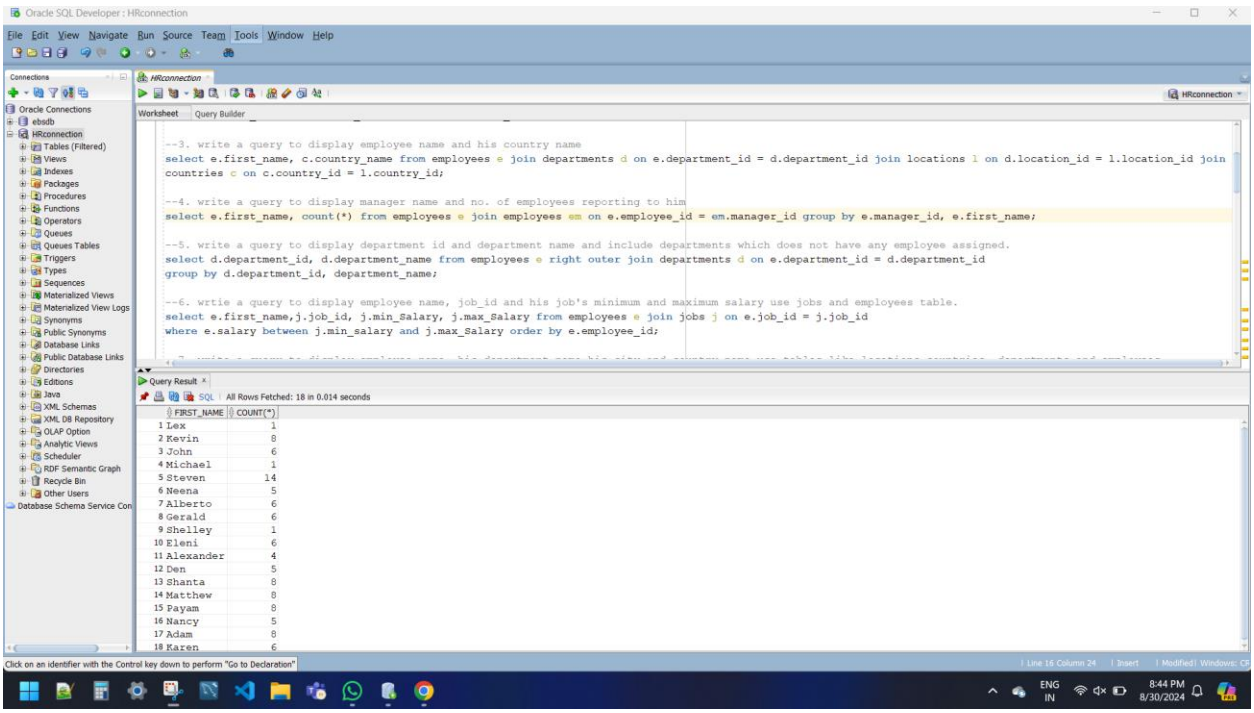
select e.first_name, c.country_name from employees e join departments d on e.department_id = d.department_id join locations l on d.location_id = l.location_id join

countries c on c.country_id = l.country_id;



--4. write a query to display manager name and no. of employees reporting to him

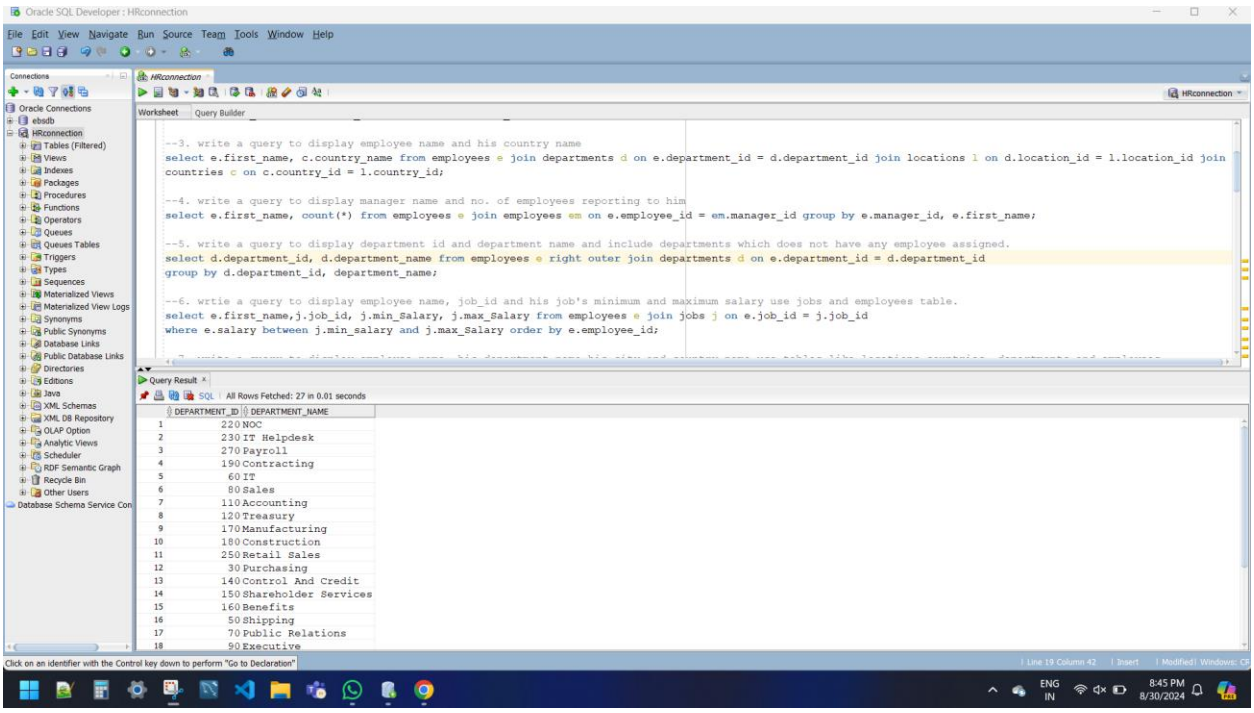
select e.first_name, count(*) from employees e join employees em on e.employee_id = em.manager_id group by e.manager_id, e.first_name;



--5. write a query to display department id and department name and include departments which does not have any employee assigned.

select d.department_id, d.department_name from employees e right outer join departments d on e.department_id = d.department_id

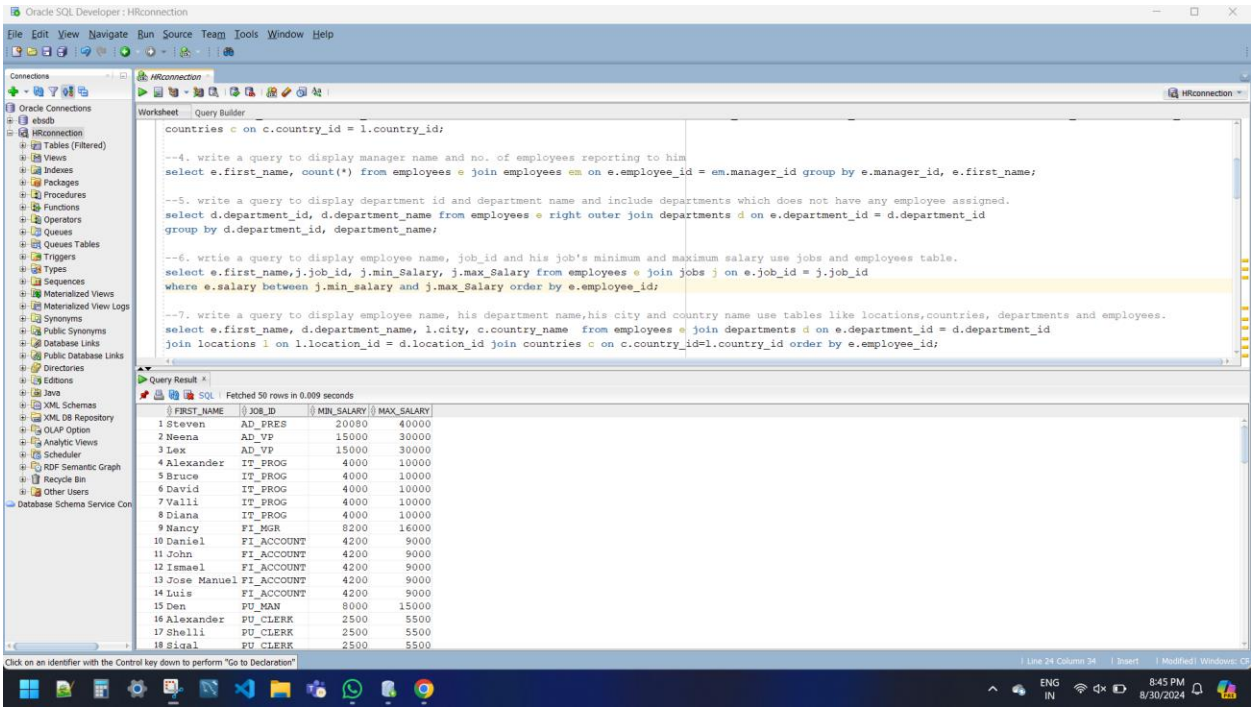
group by d.department_id, department_name;



--6. wrtie a query to display employee name, job_id and his job's minimum and maximum salary use jobs and employees table.

select e.first_name,j.job_id, j.min_Salary, j.max_Salary from employees e join jobs j on e.job_id = j.job_id

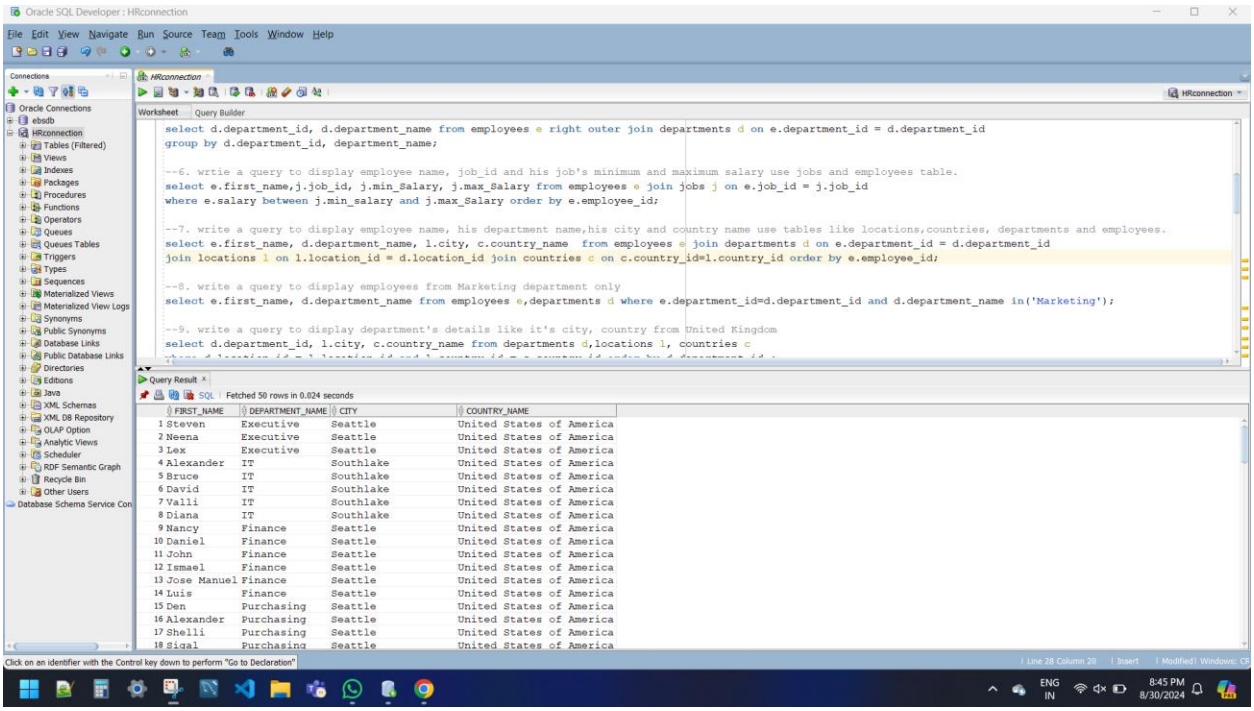
where e.salary between j.min_salary and j.max_Salary order by e.employee_id;



--7. write a query to display employee name, his department name,his city and country name use tables like locations,countries, departments and employees.

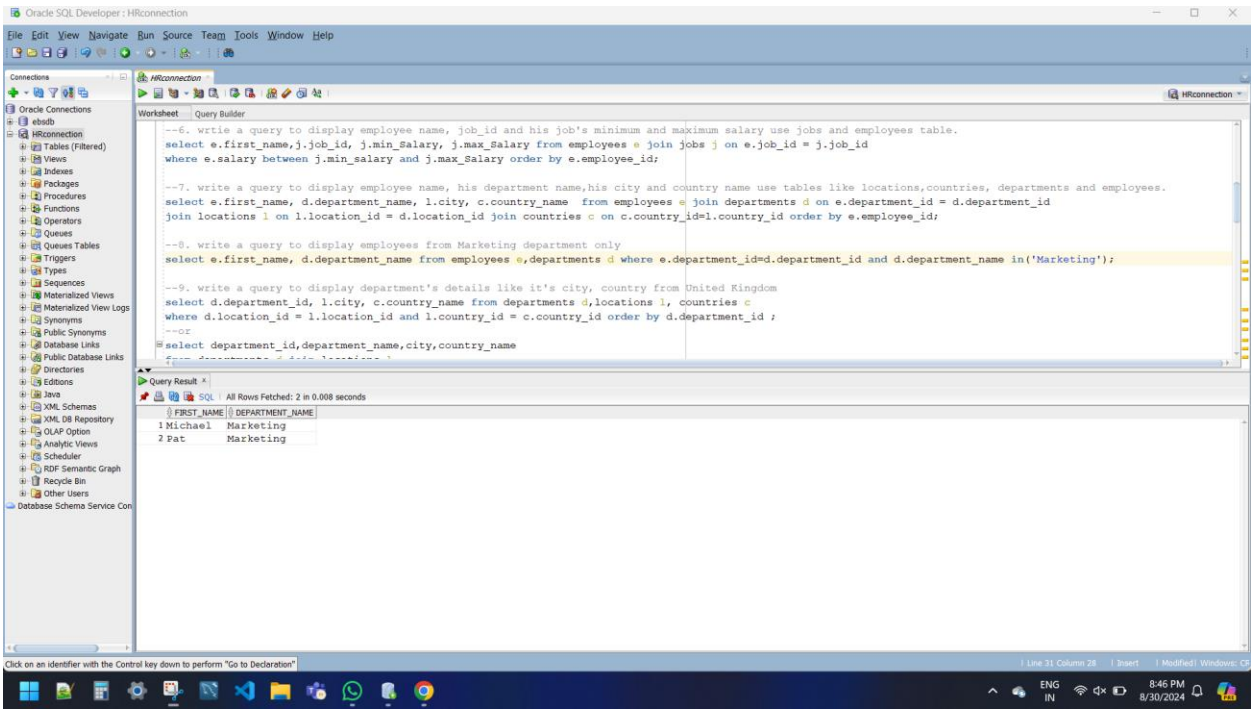
select e.first_name, d.department_name, l.city, c.country_name from employees e join departments d on e.department_id = d.department_id

join locations l on l.location_id = d.location_id join countries c on c.country_id=l.country_id order by e.employee_id;



--8. write a query to display employees from Marketing department only

select e.first_name, d.department_name from employees e,departments d where e.department_id=d.department_id and d.department_name in('Marketing');

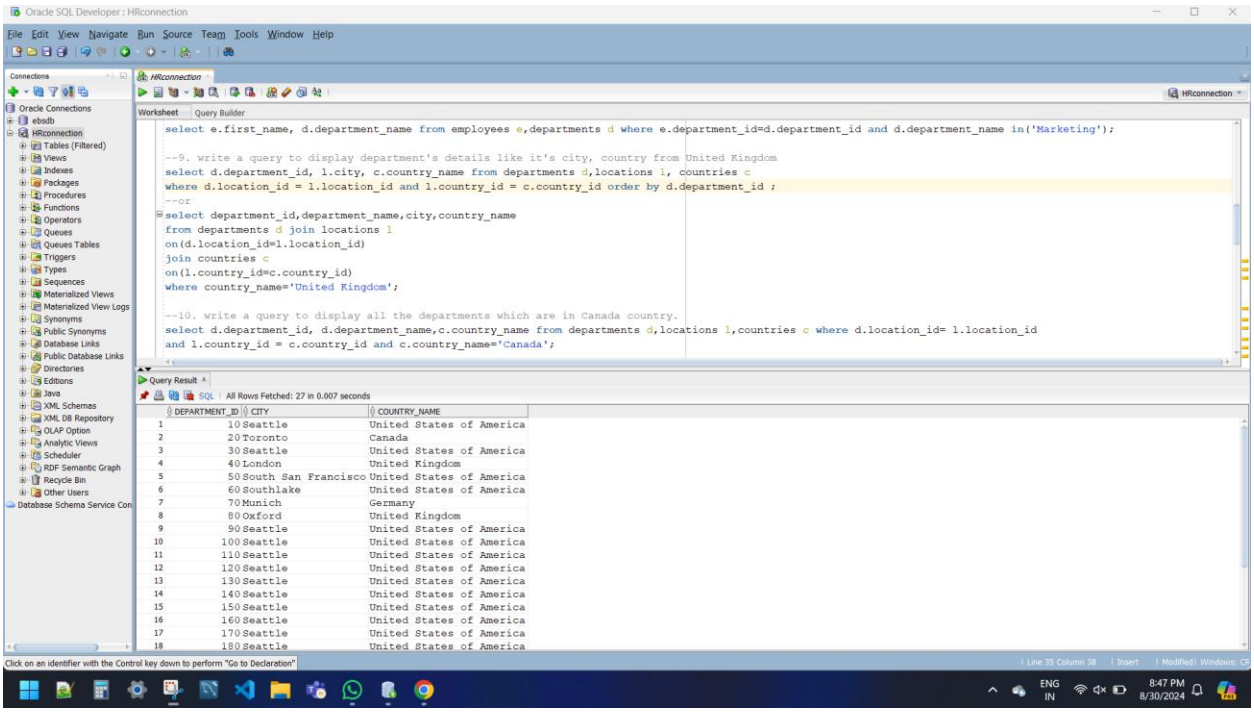


--9. write a query to display department's details like it's city, country from United Kingdom

```
select d.department_id, l.city, c.country_name from departments d,locations l, countries c
where d.location_id = l.location_id and l.country_id = c.country_id order by d.department_id ;
```

--or

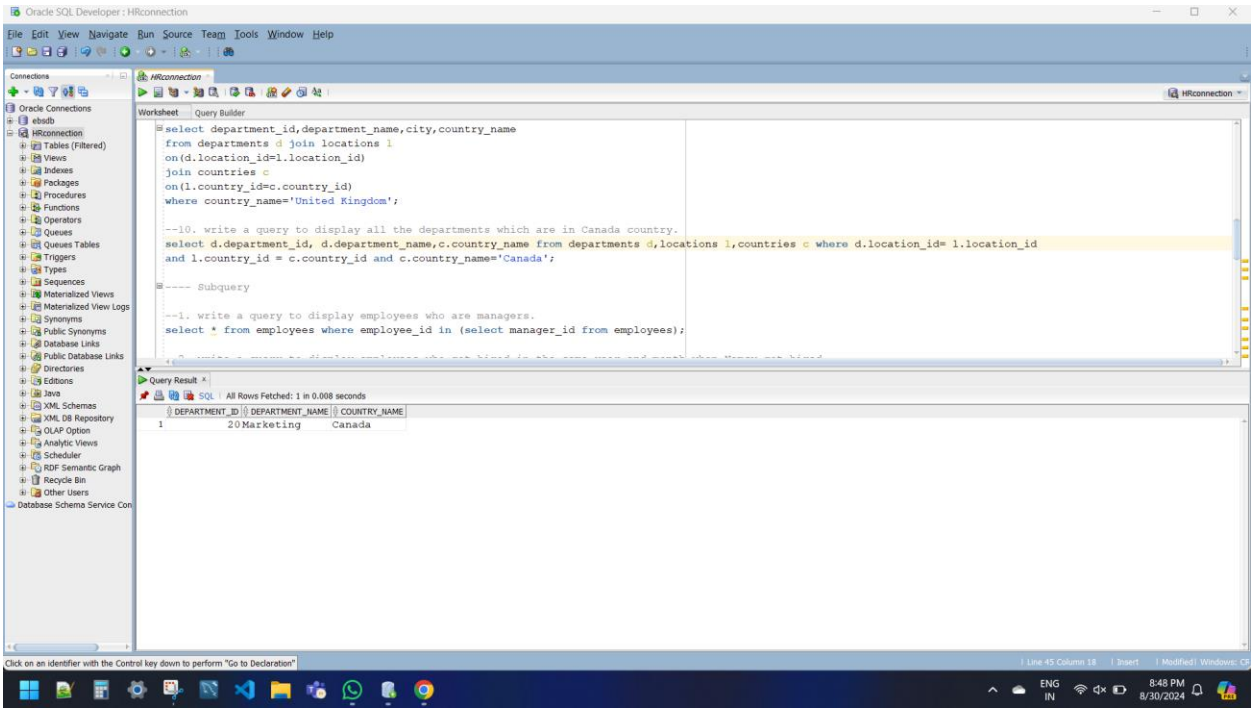
```
select department_id,department_name,city,country_name
from departments d join locations l
on(d.location_id=l.location_id)
join countries c
on(l.country_id=c.country_id)
where country_name='United Kingdom';
```



--10. write a query to display all the departments which are in Canada country.

select d.department_id, d.department_name,c.country_name from departments d,locations l,countries c where d.location_id= l.location_id

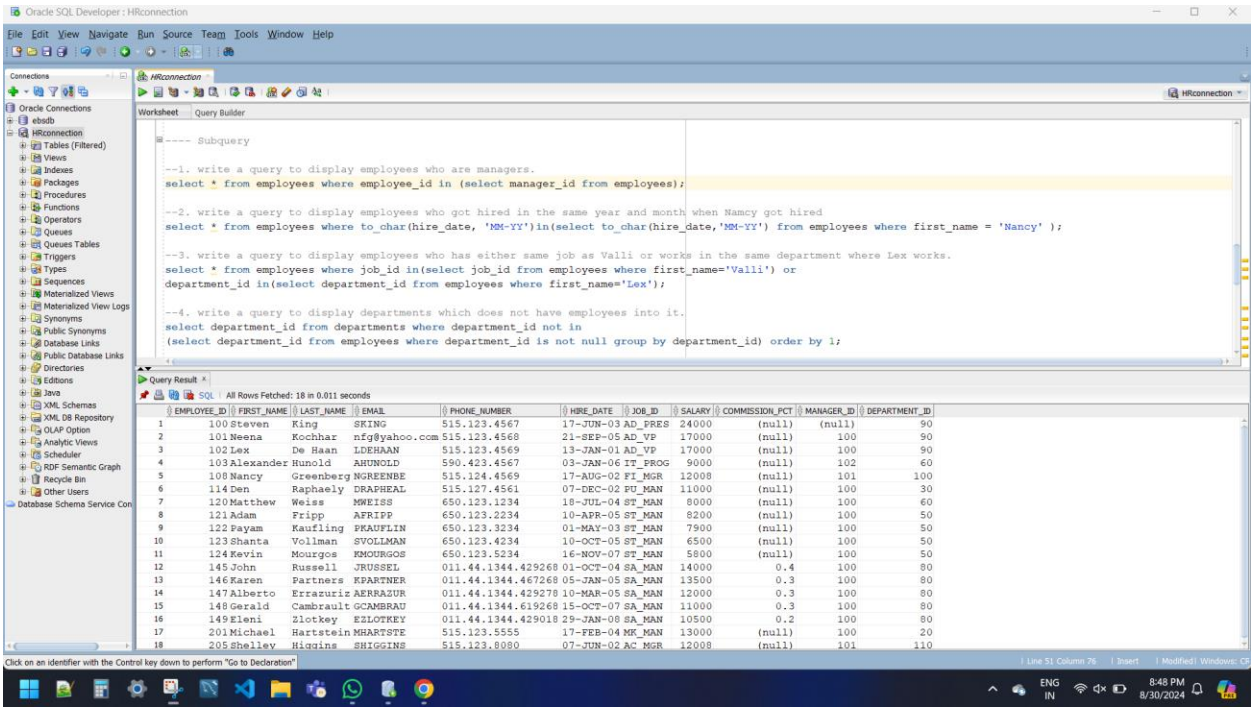
and l.country_id = c.country_id and c.country_name='Canada';



---- Subquery

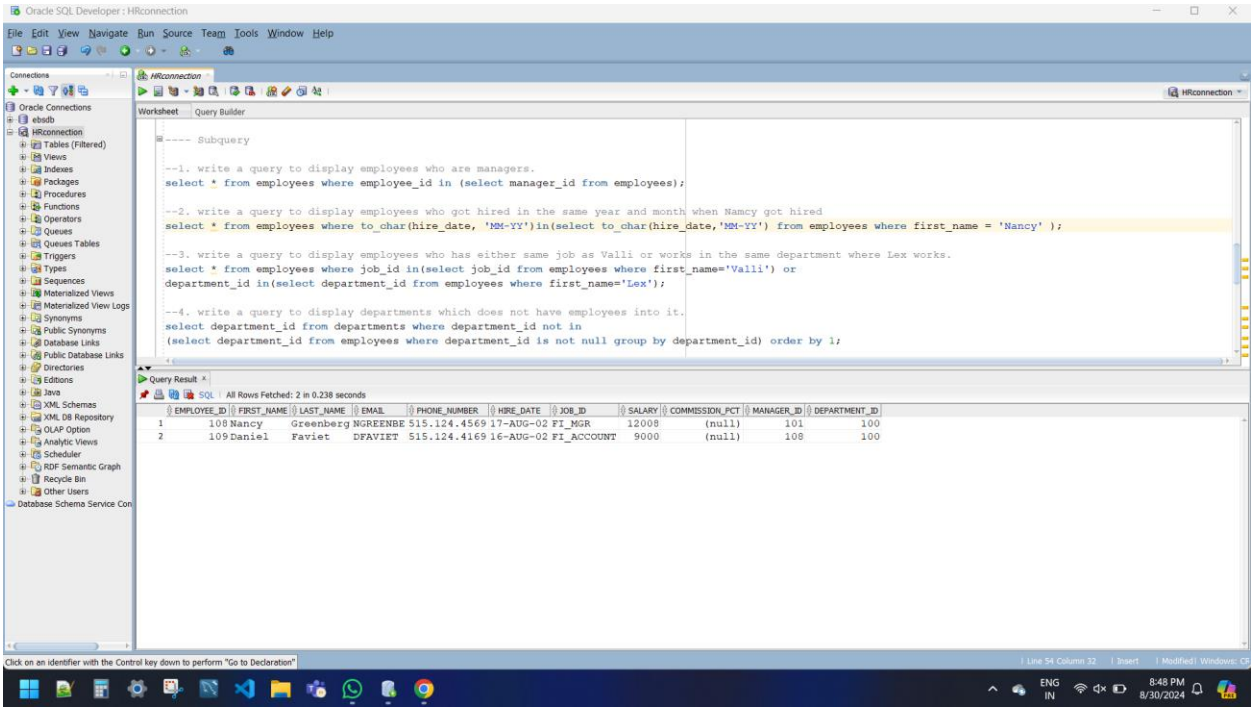
--1. write a query to display employees who are managers.

select * from employees where employee_id in (select manager_id from employees);



--2. write a query to display employees who got hired in the same year and month when Namcy got hired

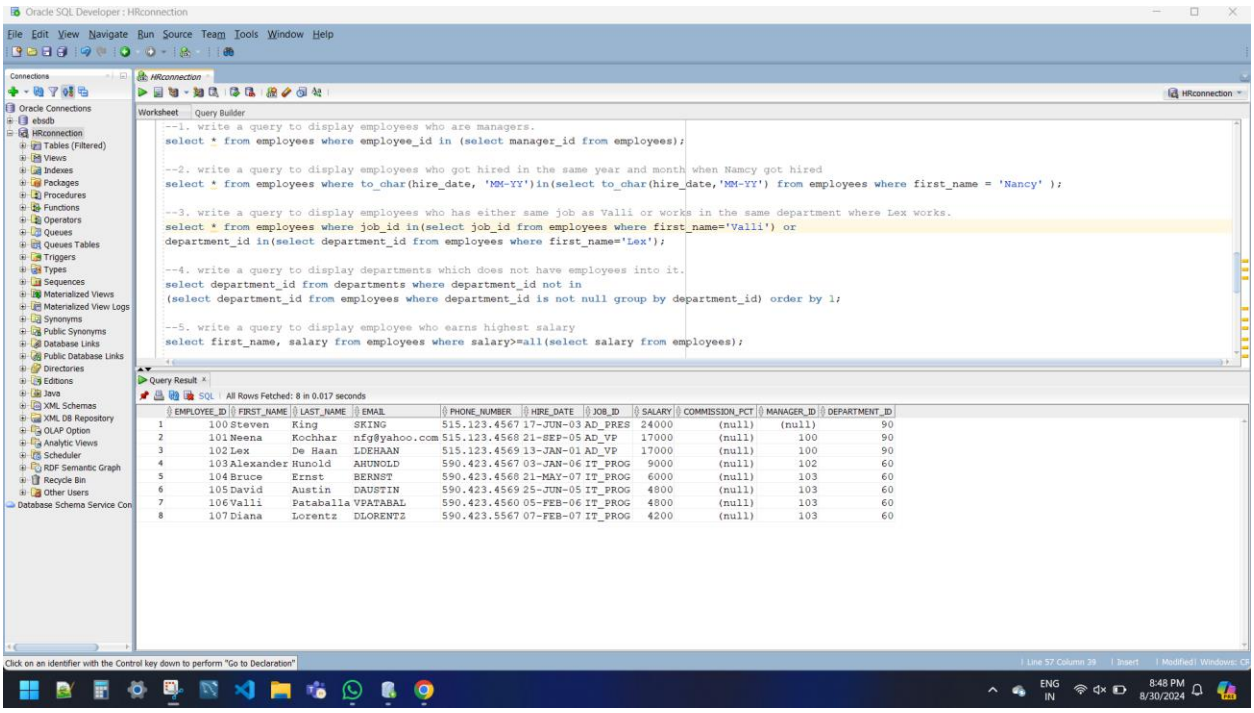
select * from employees where to_char(hire_date, 'MM-YY')in(select to_char(hire_date,'MM-YY') from employees where first_name = 'Nancy');



--3. write a query to display employees who has either same job as Valli or works in the same department where Lex works.

select * from employees where job_id in(select job_id from employees where first_name='Valli') or

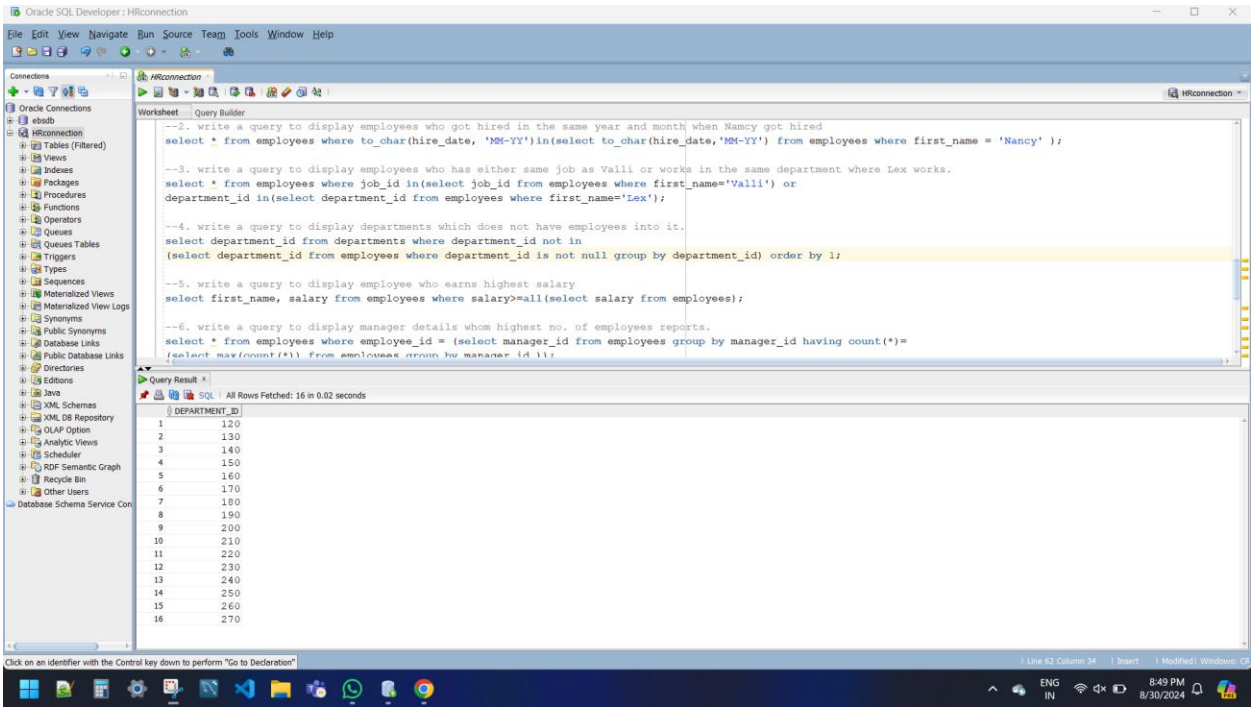
department_id in(select department_id from employees where first_name='Lex');



--4. write a query to display departments which does not have employees into it.

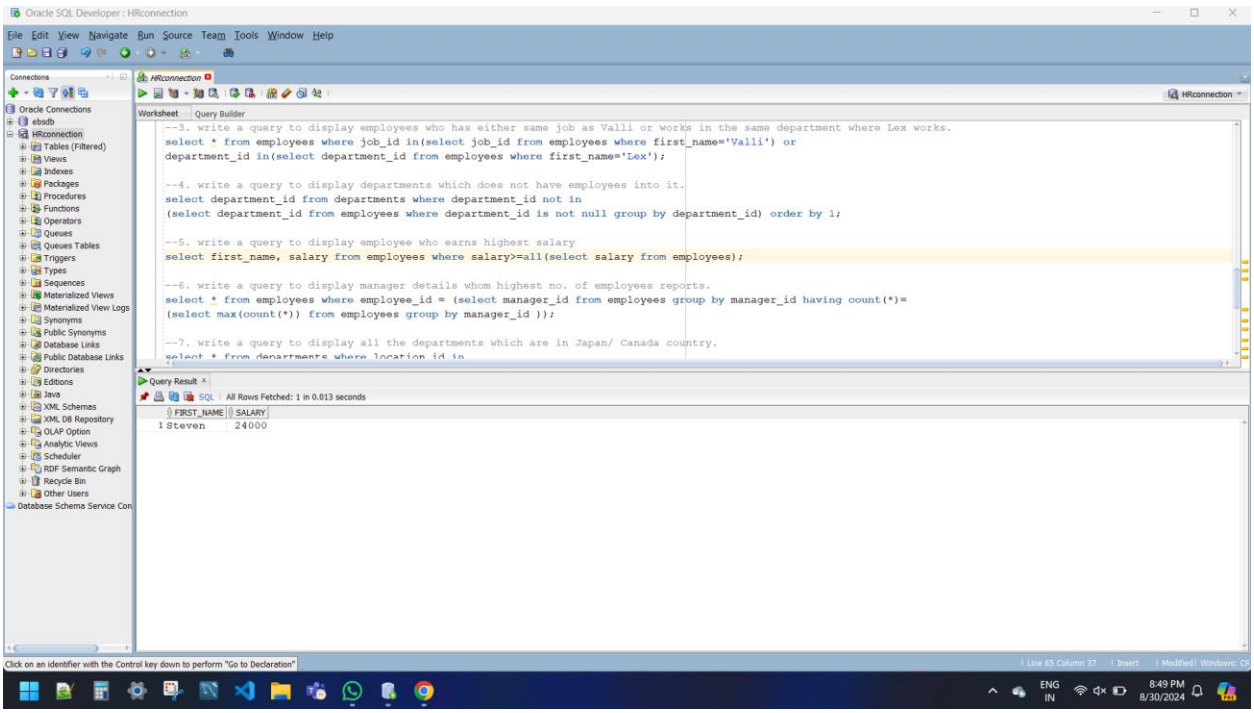
select department_id from departments where department_id not in

(select department_id from employees where department_id is not null group by department_id) order by 1;



--5. write a query to display employee who earns highest salary

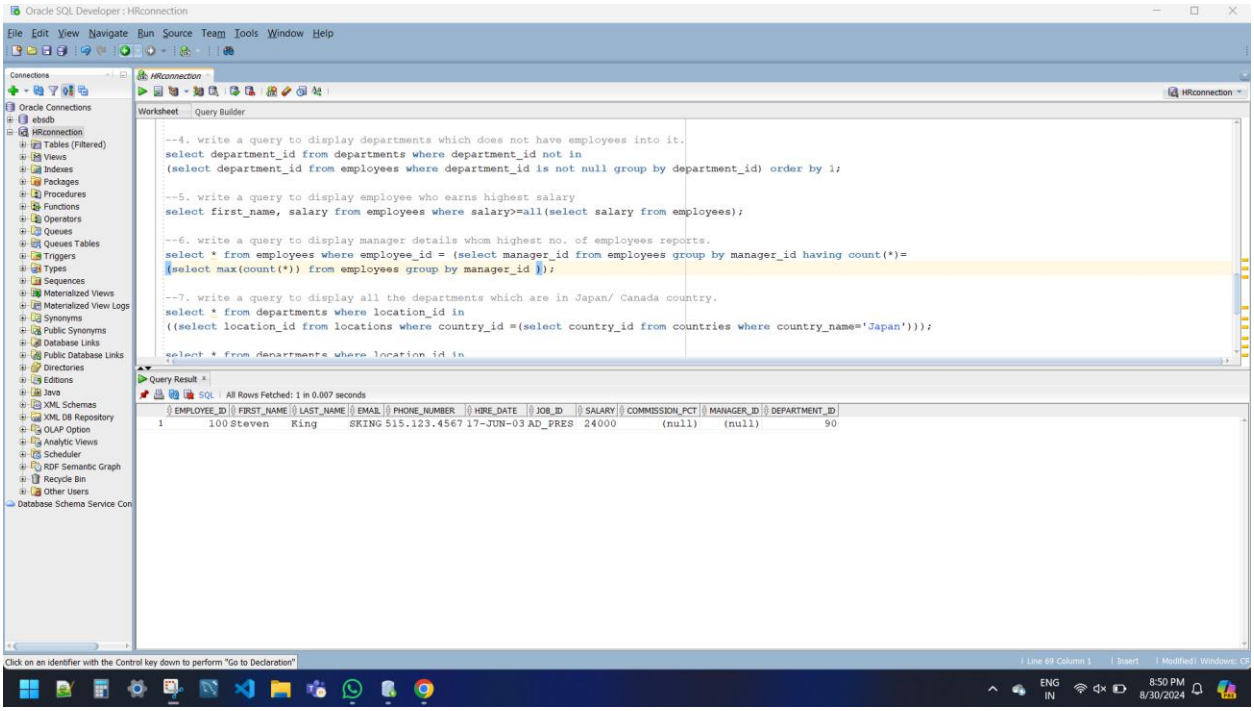
select first_name, salary from employees where salary>=all(select salary from employees);



--6. write a query to display manager details whom highest no. of employees reports.

select * from employees where employee_id = (select manager_id from employees group by manager_id having count(*)=

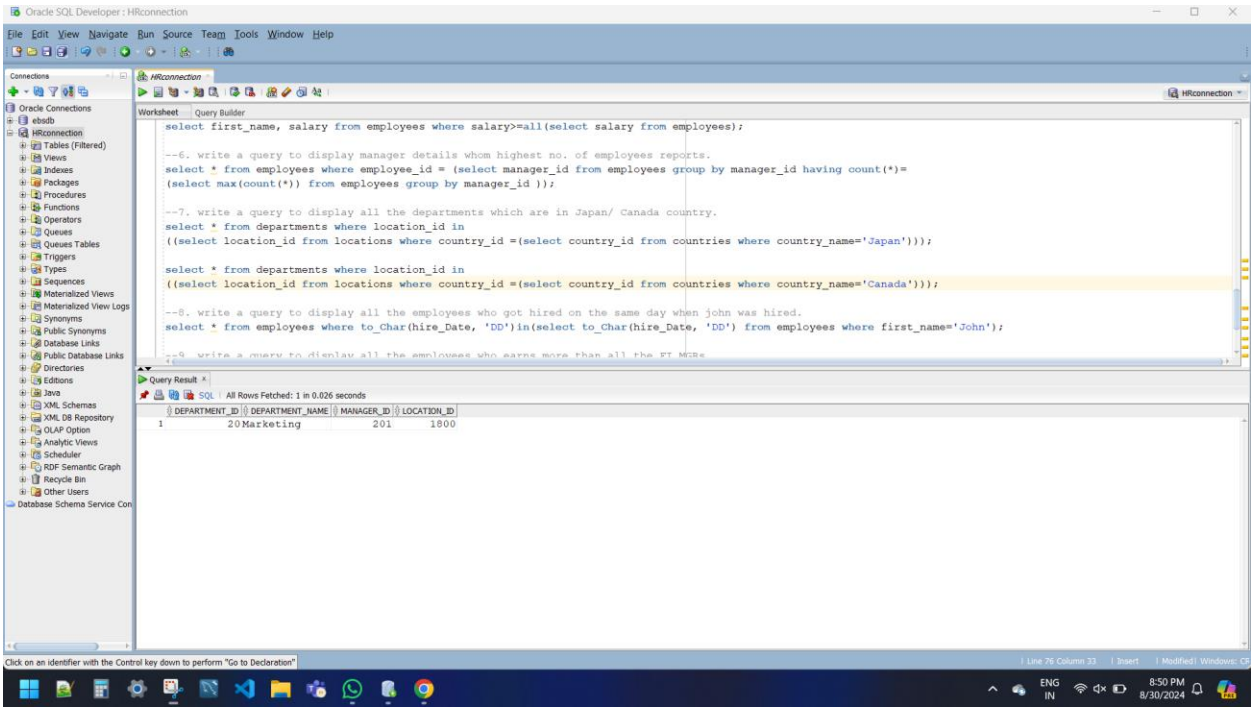
(select max(count(*)) from employees group by manager_id));



--7. write a query to display all the departments which are in Japan/ Canada country.

select * from departments where location_id in

((select location_id from locations where country_id =(select country_id from countries where country_name='Japan')));

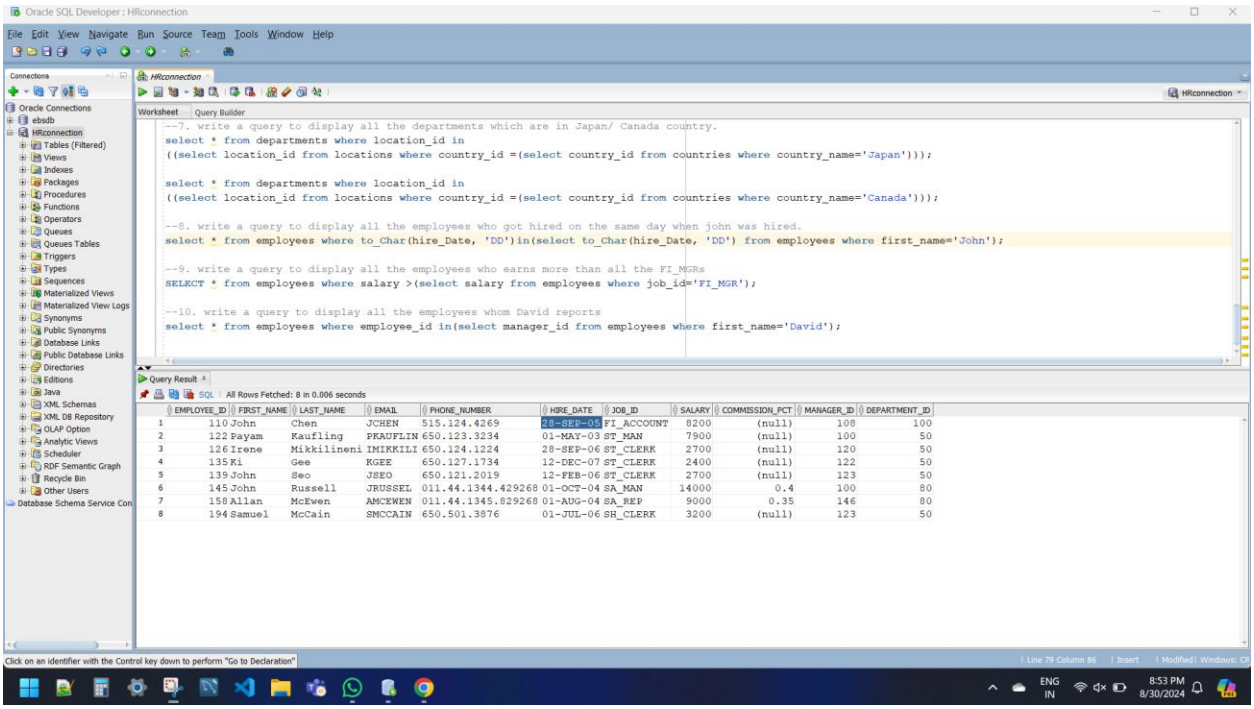


select * from departments where location_id in

((select location_id from locations where country_id =(select country_id from countries where country_name='Canada')));

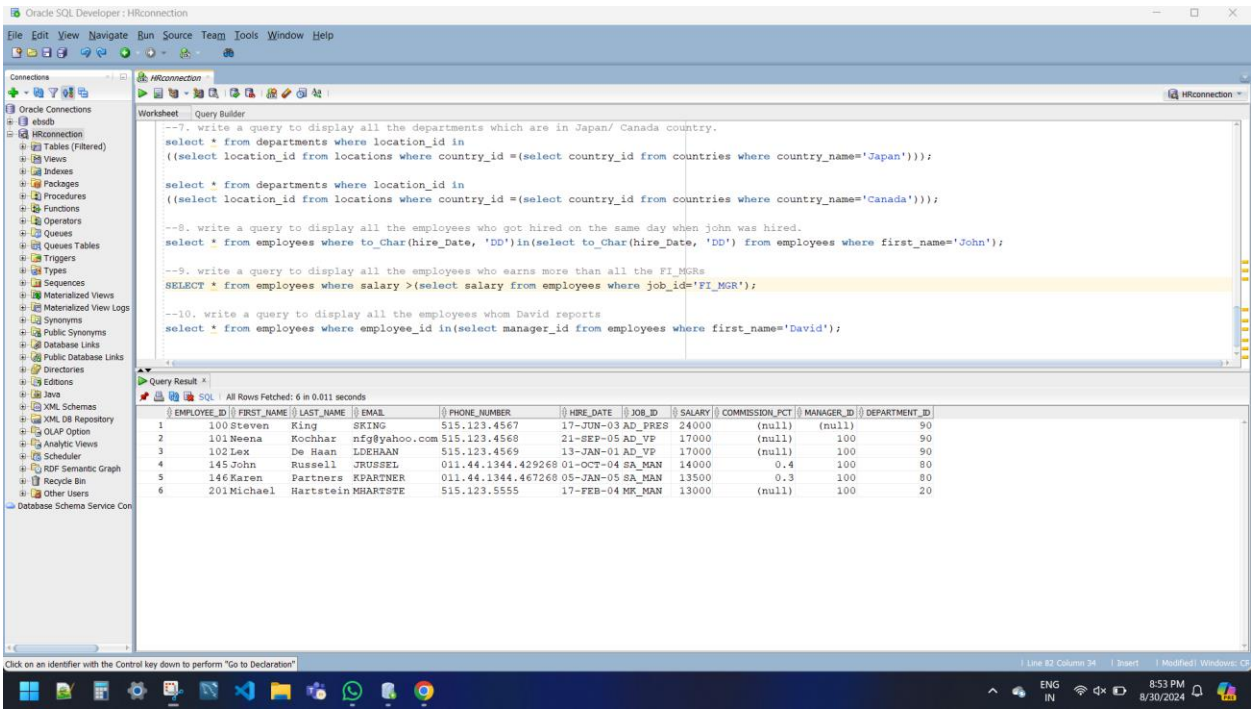
--8. write a query to display all the employees who got hired on the same day when john was hired.

select * from employees where to_Char(hire_Date, 'DD')in(select to_Char(hire_Date, 'DD') from employees where first_name='John');



--9. write a query to display all the employees who earns more than all the FI_MGRs

SELECT * from employees where salary >(select salary from employees where job_id='FI_MGR');



--10. write a query to display all the employees whom David reports

select * from employees where employee_id in(select manager_id from employees where first_name='David');