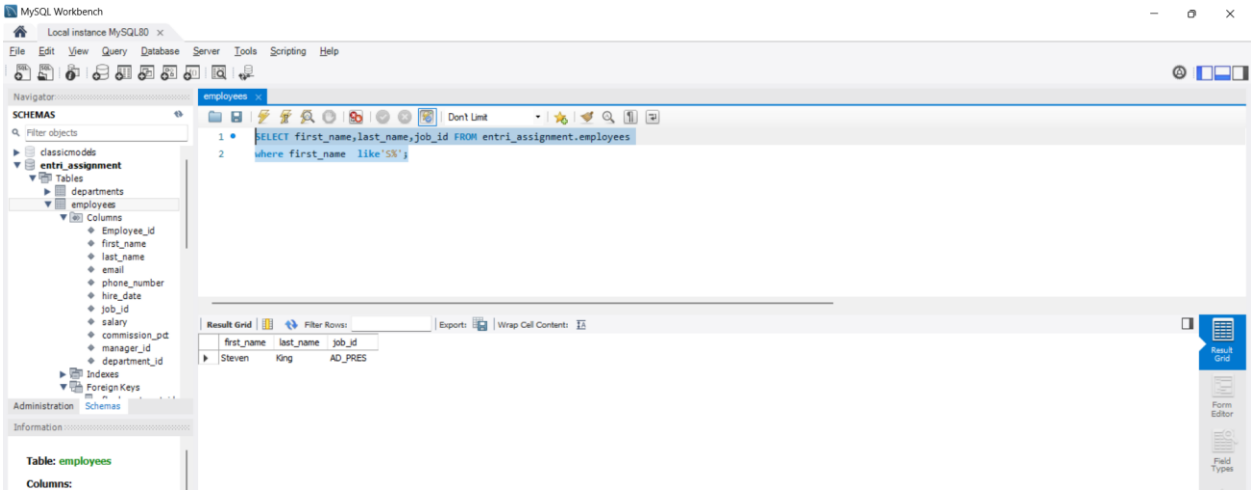
Assignment 2

Solve SQL Exercises

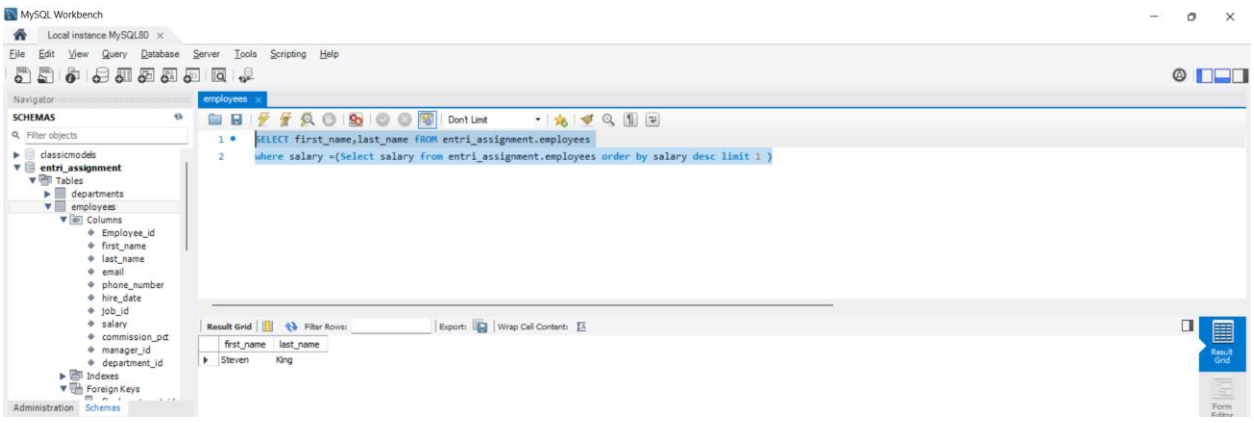
1.Select employees first name, last name, job_id and salary whose first name starts with alphabet S

```
Select  first_name,last_name,job_id FROM entri_assignment.employees
where first_name  like'S%';
```



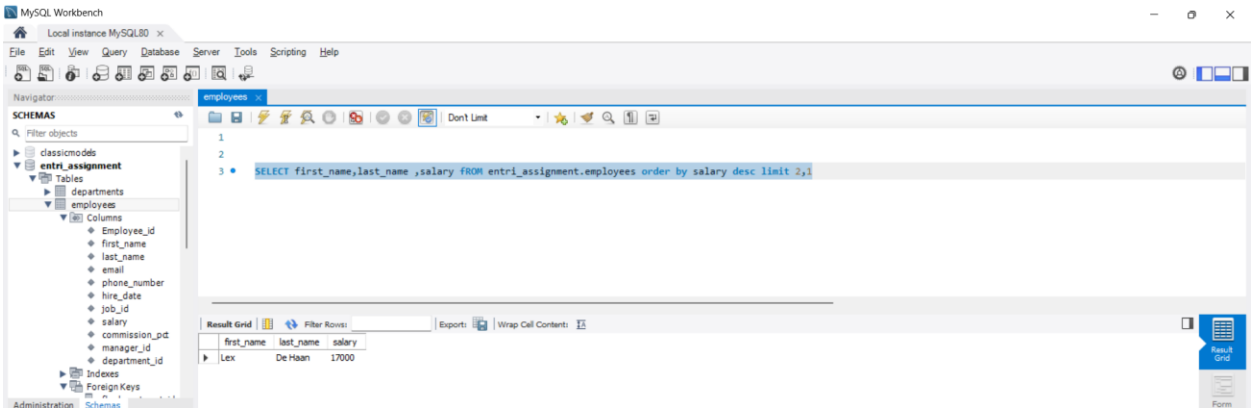
2. Write a query to select employee with the highest salary (using inner query)

```
SELECT first_name,last_name fROM entri_assignment.employeeswhere salary
=(Select salary from entri_assignment.employees order by salary desc limit 1 )
```



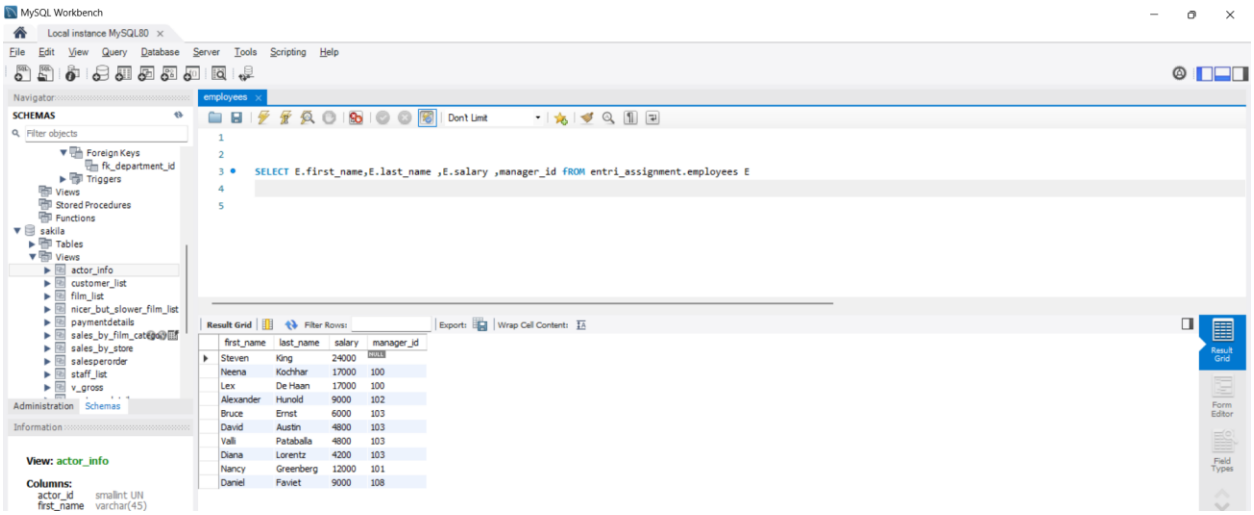
3. Select employee with the second highest salary

SELECT first_name,last_name ,salary fROM entri_assignment.employees order by salary desc limit 2,1



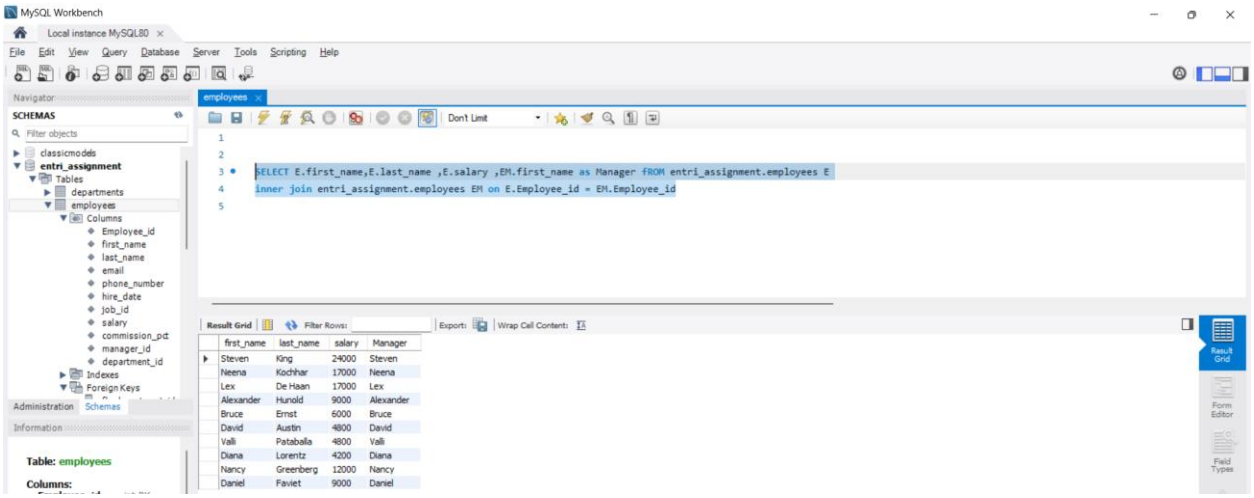
4. Write a query to select employees and their corresponding managers and their salaries

SELECT E.first_name,E.last_name ,E.salary ,manager_id fROM entri_assignment.employees E



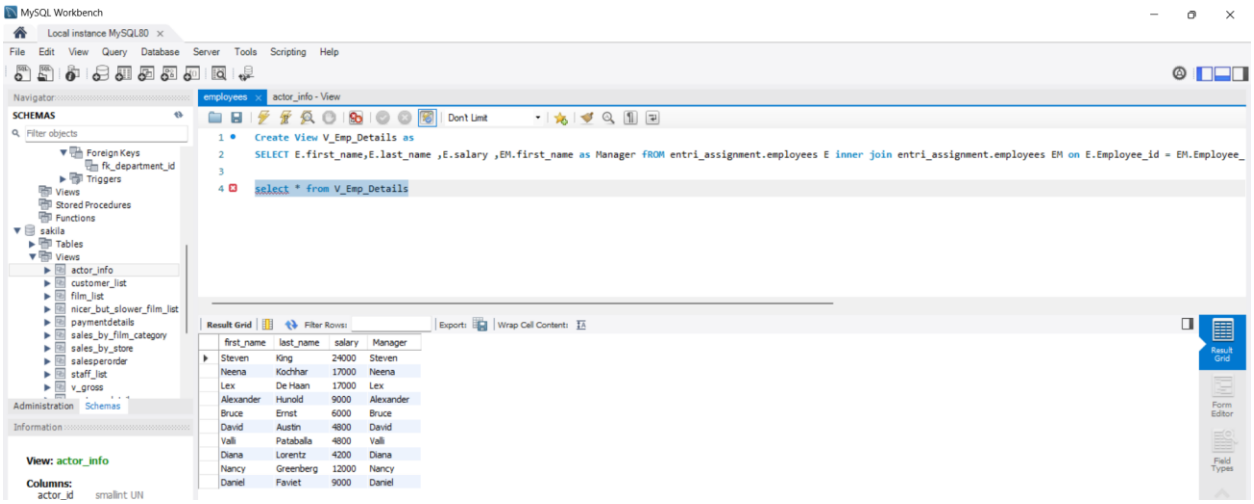
5. Write a query to select employees and their corresponding managers and their salaries (SELF Join)

SELECT E.Employee_id,E.first_name,E.last_name ,E.salary ,EM.first_name as Manager fROM entri_assignment.employees E inner join entri_assignment.employees EM on E.Employee_id = EM.Manager_id



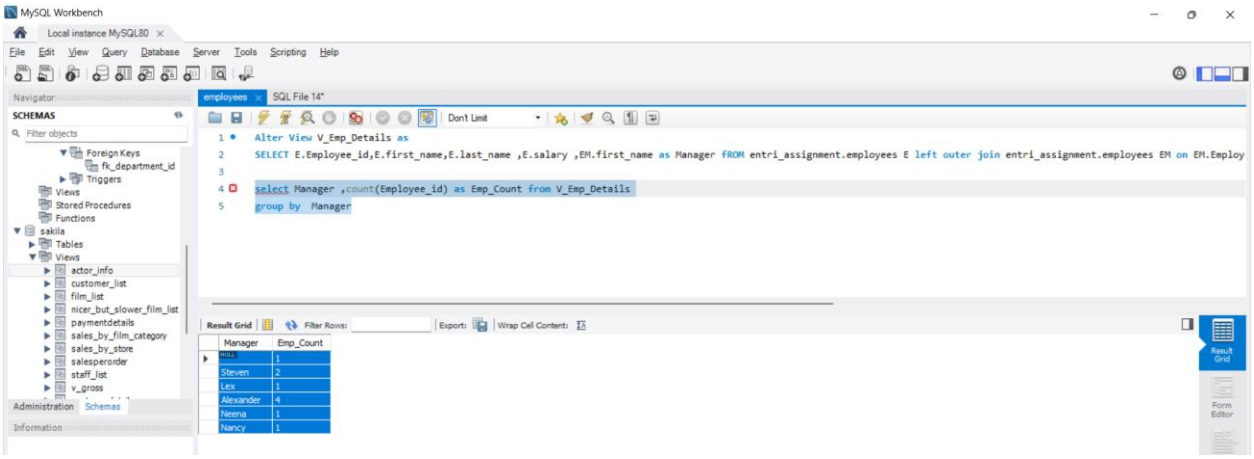
6. Create a view for the above query

Create View V_Emp_Details as SELECT E.Employee_id,E.first_name,E.last_name ,E.salary ,EM.first_name as Manager fROM entri_assignment.employees E left outer join entri_assignment.employees EM on EM.Employee_id = E.Manager_id



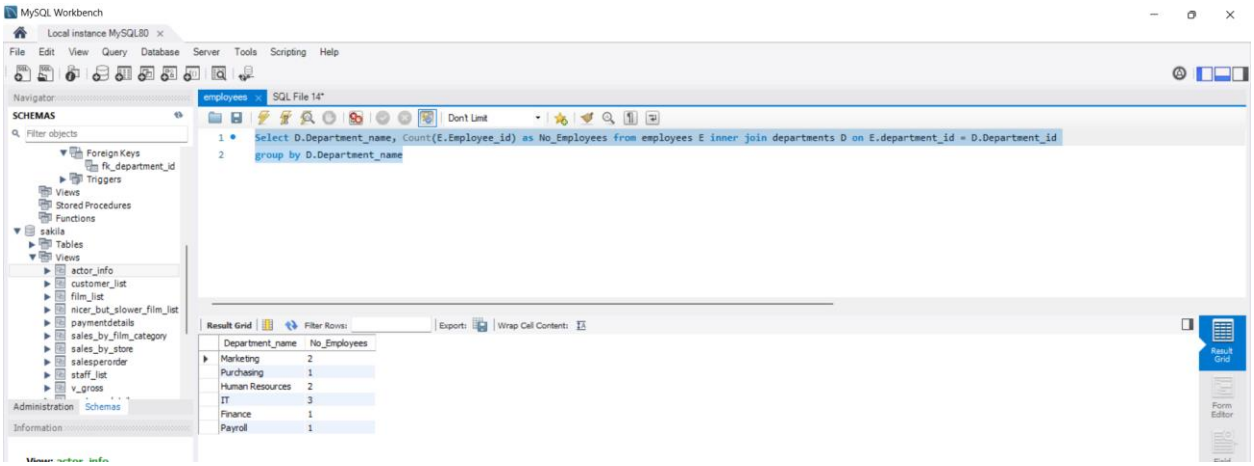
7. Write a query to show count of employees under each manager in descending order (from view)

select Manager ,count(Employee_id) as Emp_Count from V_Emp_Detailsgroup by Manager



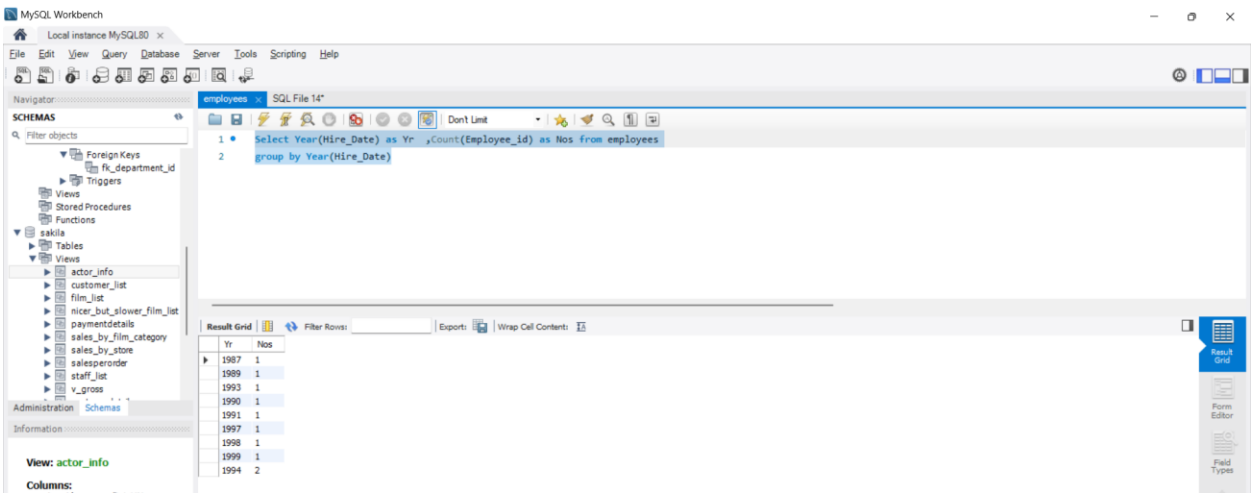
8. Find the count of employees in each department

Select D.Department_name, Count(E.Employee_id) as No_Employees from employees E inner join departments D on E.department_id = D.Department_id group by D.Department_name



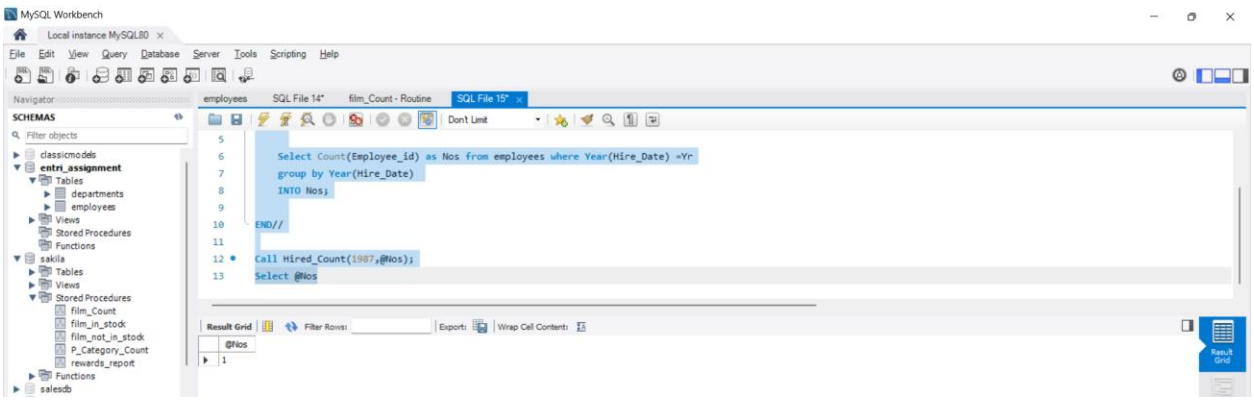
9. Get the count of employees hired year wise

Select Year(Hire_Date) as Yr ,Count(Employee_id) as Nos from employees group by Year(Hire_Date)



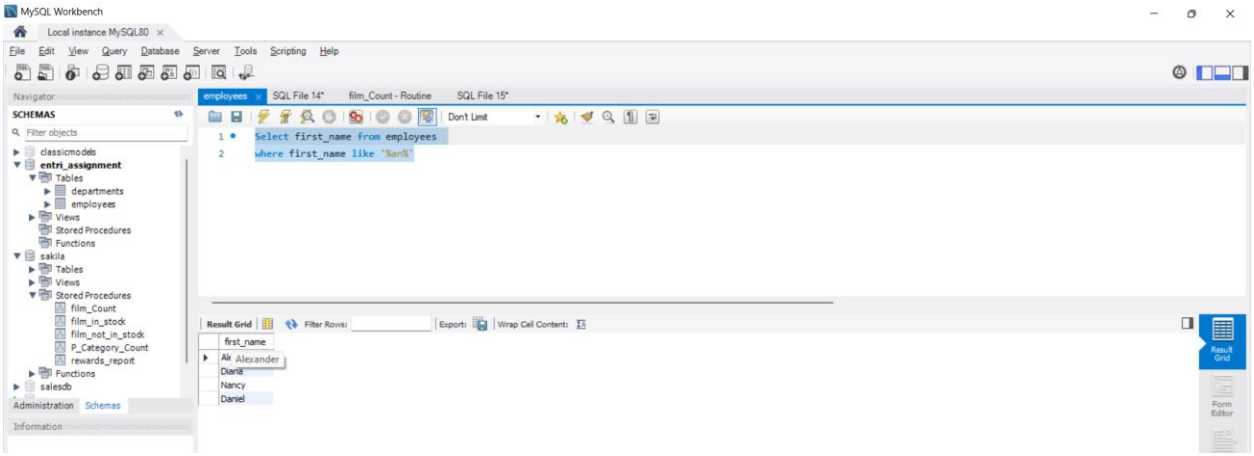
10 . create a stored procedure to get the " Get the count of employees hired in the input year"(IN year , OUT count)

```
Delimiter //

create DEFINER=`root`@`localhost` PROCEDURE `Hired_Count`(IN Yr int,OUT
Nos INT)

   READS SQL DATA

BEGIN

        Select Count(Employee_id) as Nos from employees where Year(Hire_Date)
=Yr     group by Year(Hire_Date)        INTO Nos;

END//

Call Hired_Count(1987,@Nos);

Select @Nos
```



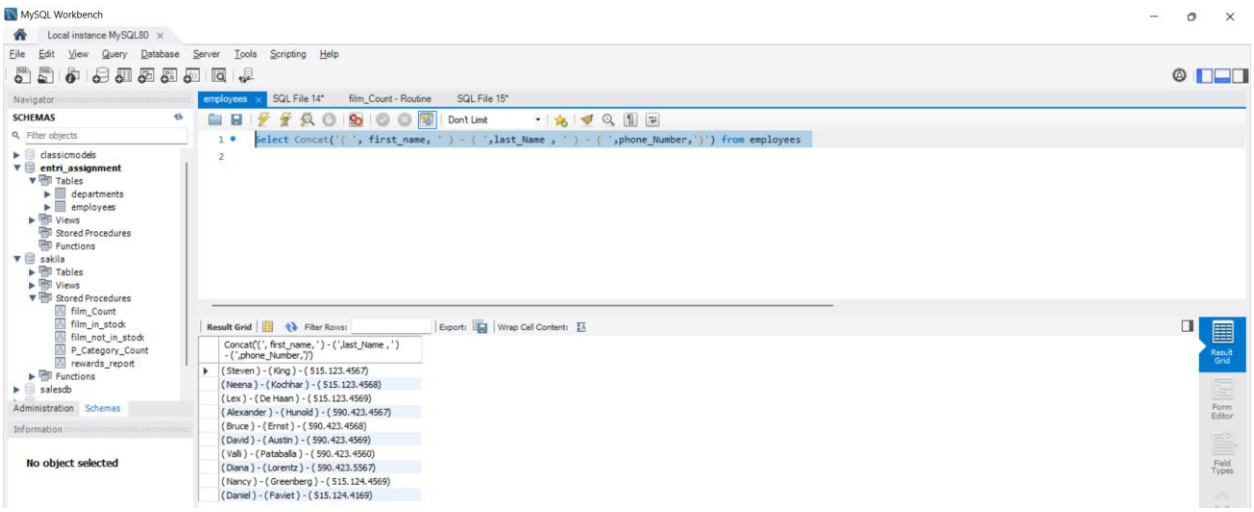
11.Select the employees whose first_name contains “an”

Select first_name from employees where first_name like '%an%'



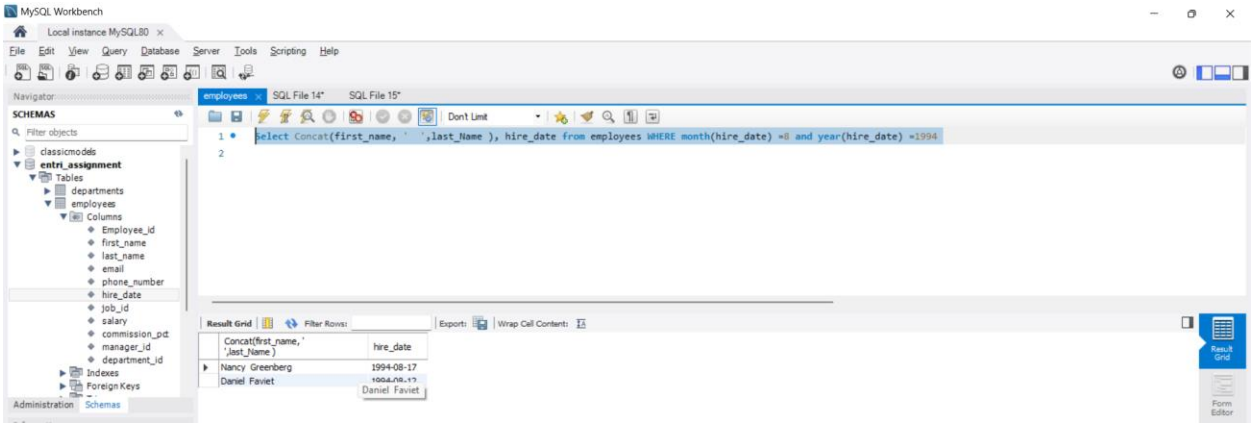
12. Select employee first name and the corresponding phone number in the format (_ _ _)-(_ _ _)-(_ _ _ _)

Select Concat('(', first_name, ') - (',last_Name , ') - (',phone_Number,')') from employees



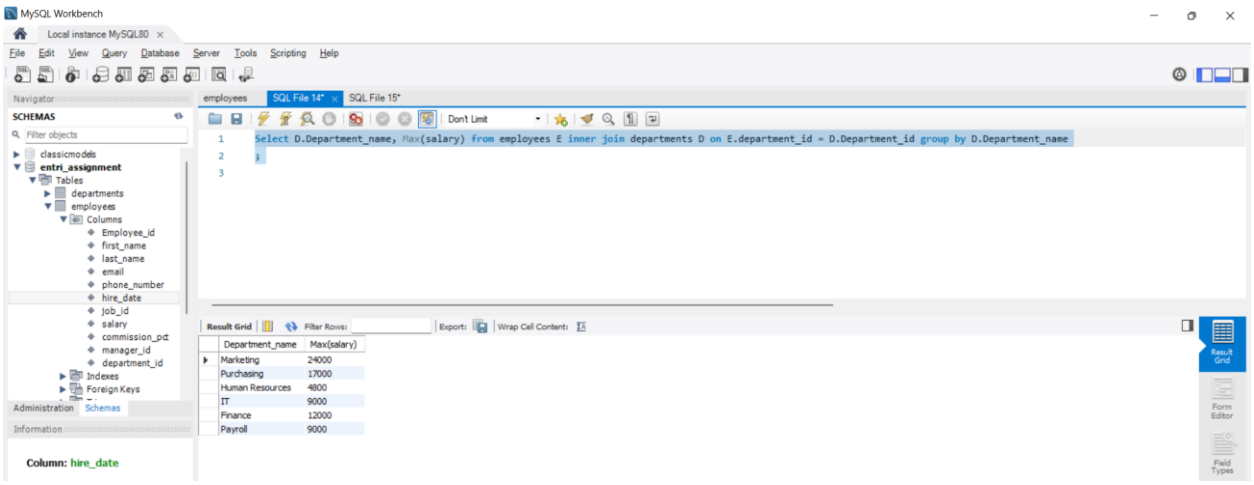
13. Find the employees who joined in August, 1994.

Select Concat(first_name, ' ',last_Name), hire_date from employees WHERE month(hire_date) =8 and year(hire_date) =1994



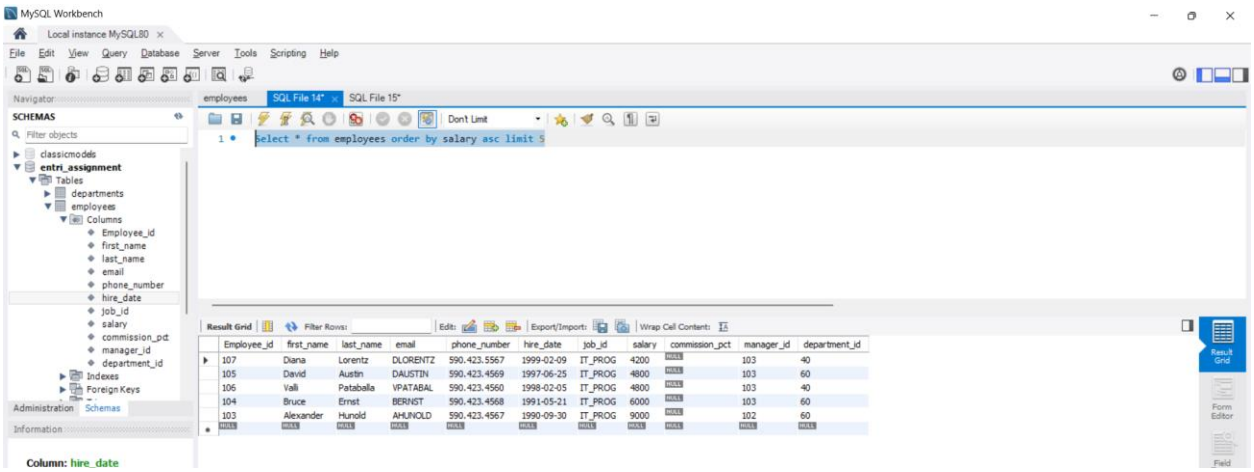
14. Find the maximum salary from each department.

Select D.Department_name, Max(salary) from employees E inner join departments D on E.department_id = D.Department_id group by D.Department_name;



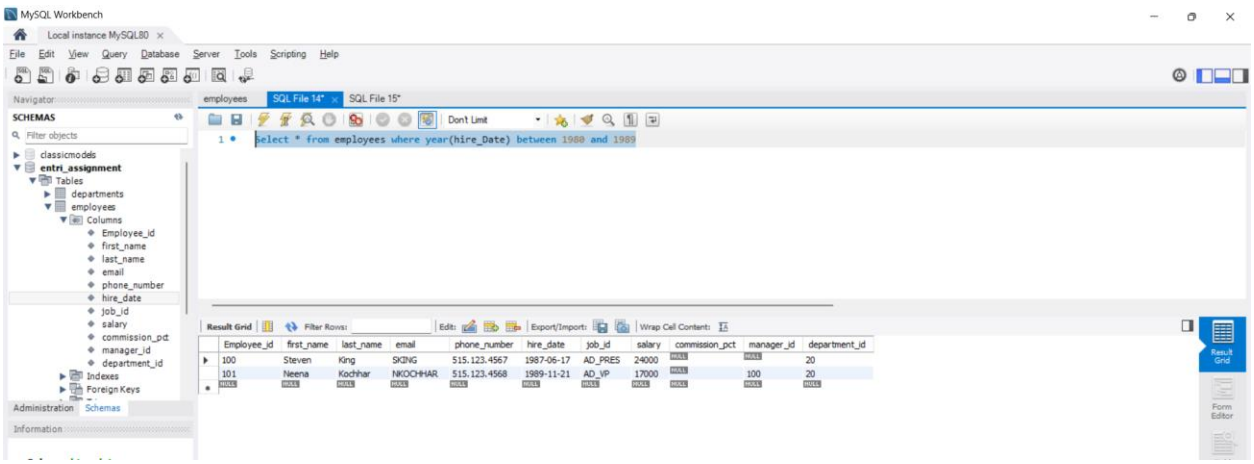
15.Write a SQL query to display the 5 least earning employees

Select * from employees order by salary asc limit 5



16. Find the employees hired in the 80s

Select * from employees where year(hire_Date) between 1980 and 1989



17. Find the employees who joined the company after 15th of the month

Select * from employees where day(hire_Date) >15