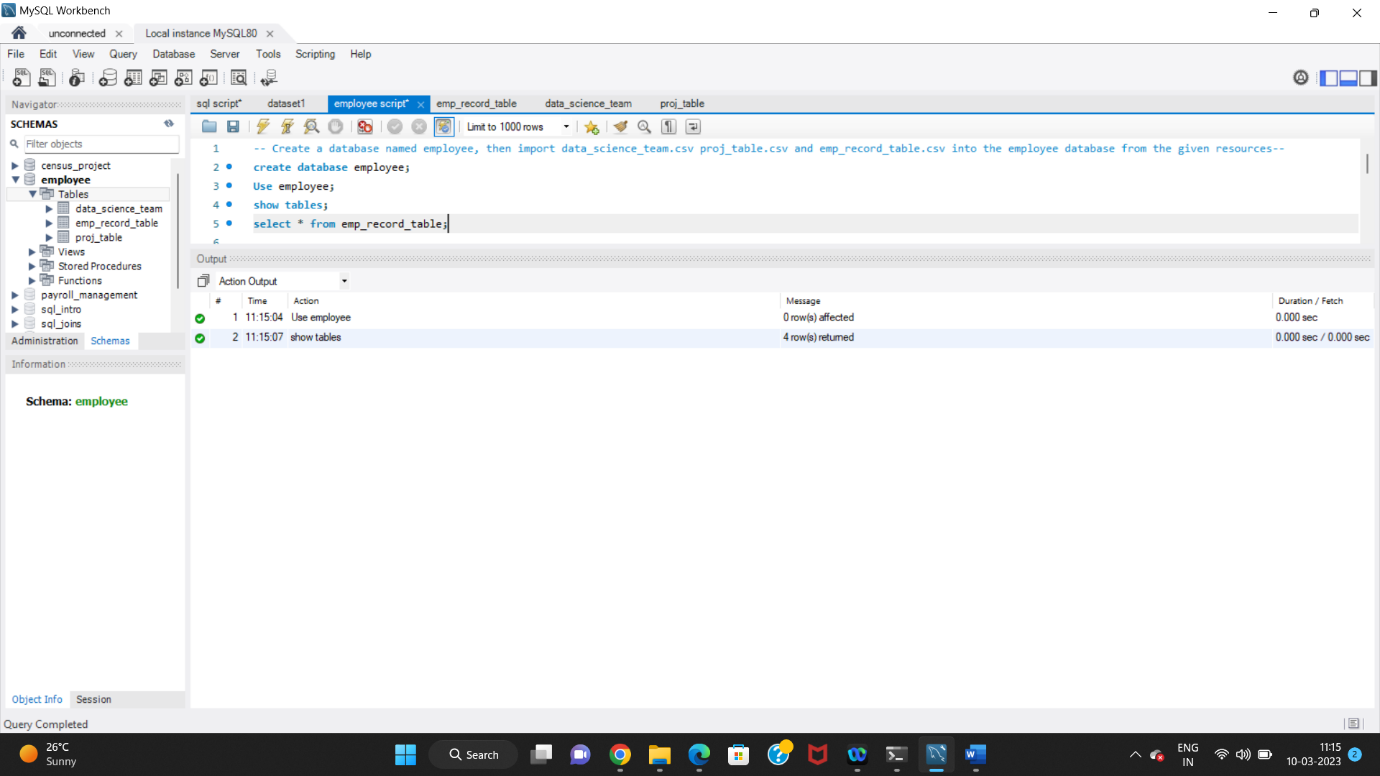
**ScienceQtech Employee Performance Mapping**

**Objective:**

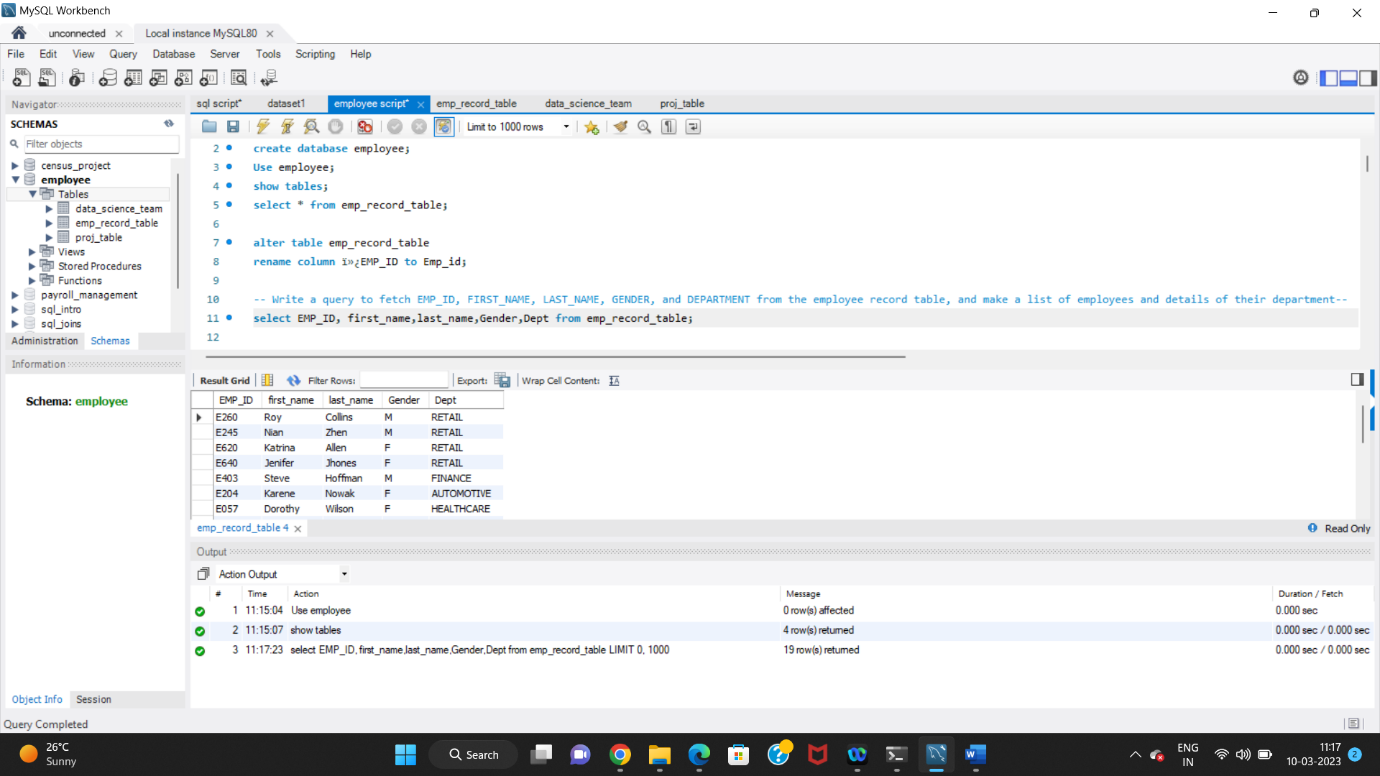
To facilitate a better understanding, managers have provided ratings for each employee which will help the HR department to finalize the employee performance mapping. As a DBA, you should find the maximum salary of the employees and ensure that all jobs are meeting the organization's profile standard. You also need to calculate bonuses to find extra cost for expenses. This will raise the overall performance of the organization by ensuring that all required employees receive training.

**Tasks to be performed with solutions:**

1. Create a database named employee, then import **data\_science\_team.csv** **proj\_table.csv** and **emp\_record\_table.csv** into the **employee**database from the given resources.

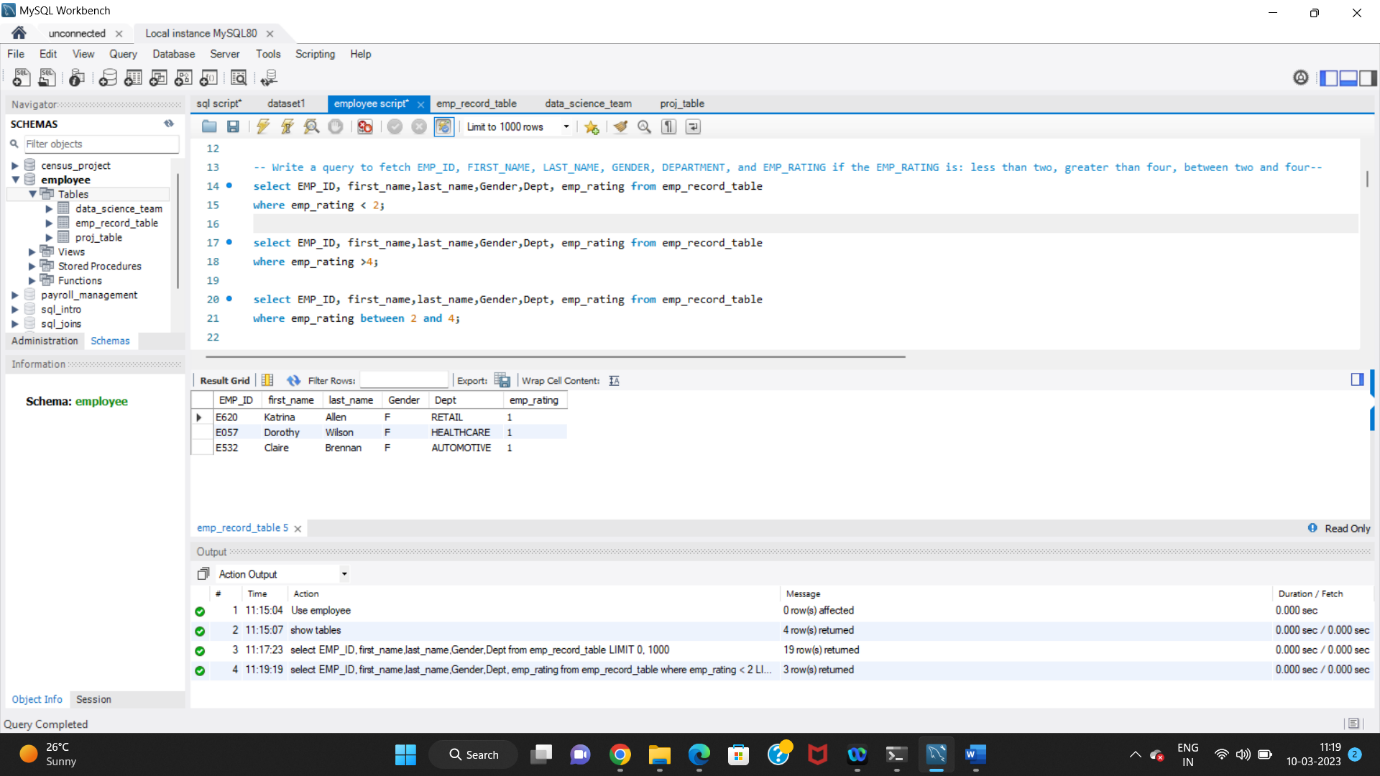


1. Write a query to fetch EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER, and DEPARTMENT from the employee record table, and make a list of employees and details of their department.

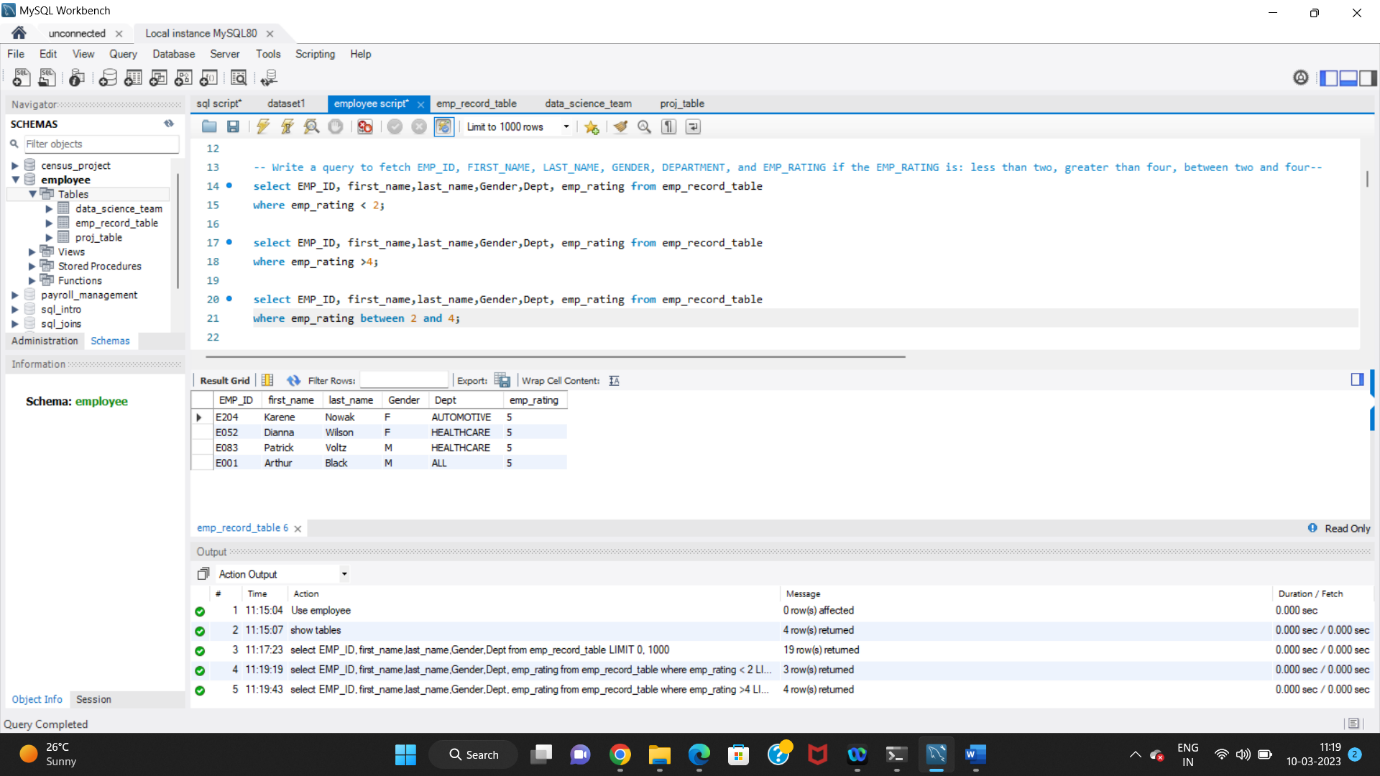


1. Write a query to fetch EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER, DEPARTMENT, and EMP\_RATING if the EMP\_RATING is:

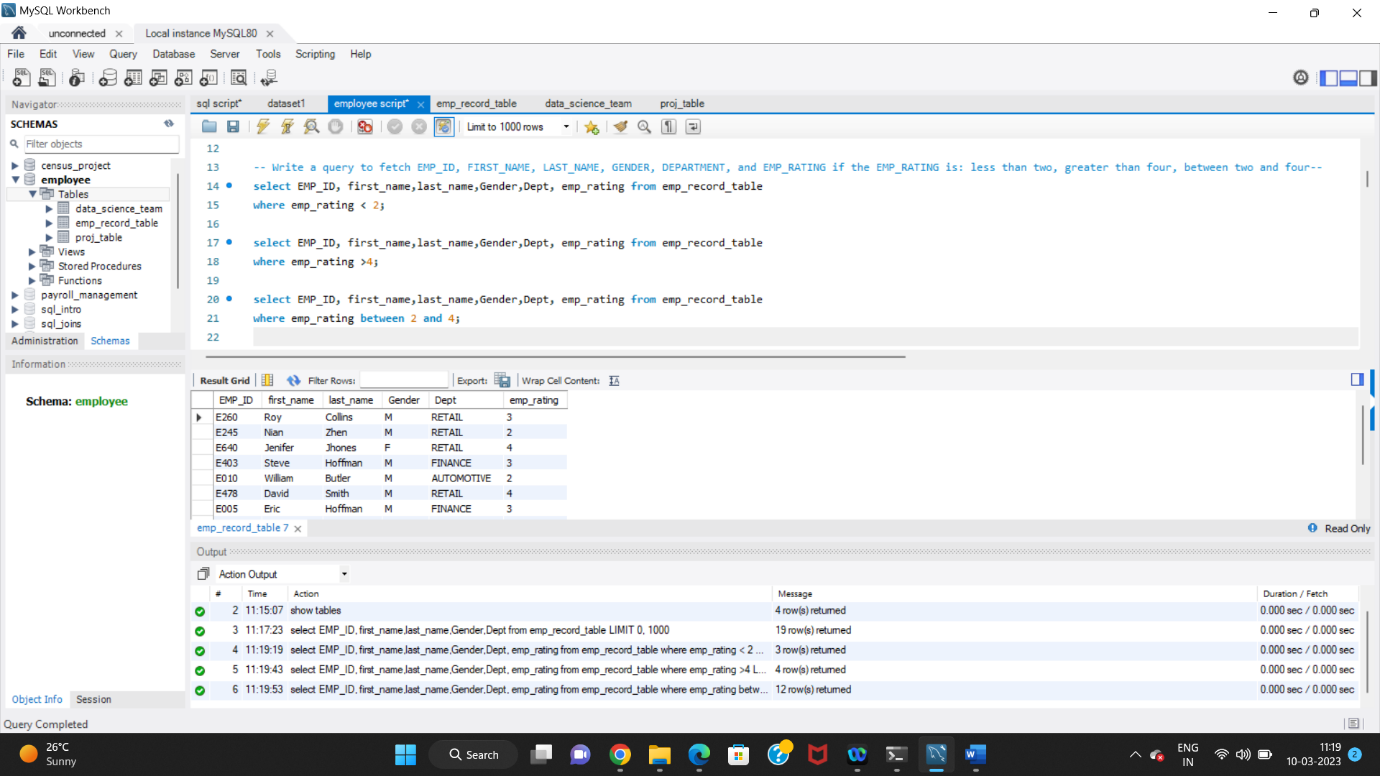
* less than two
* greater than four
* between two and four
* Less than two



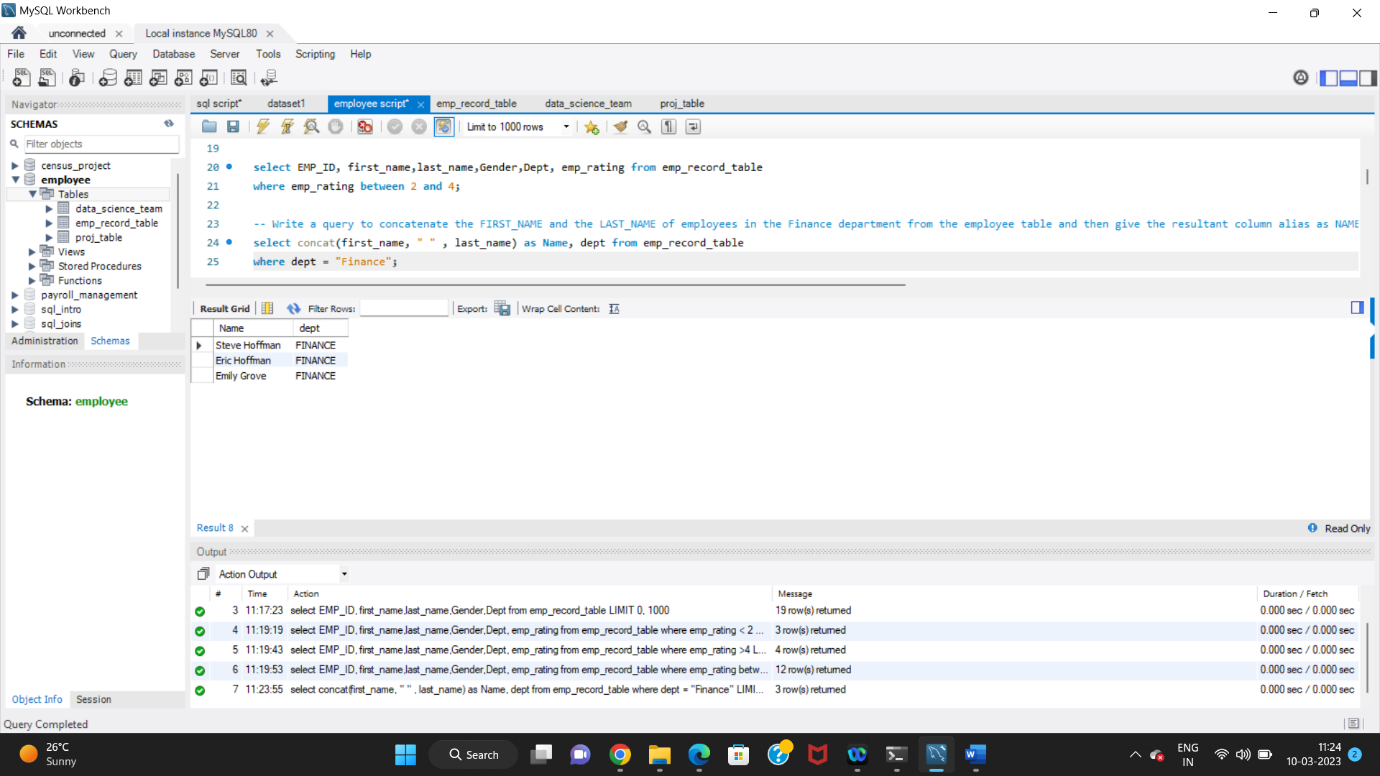
* Greater than 4



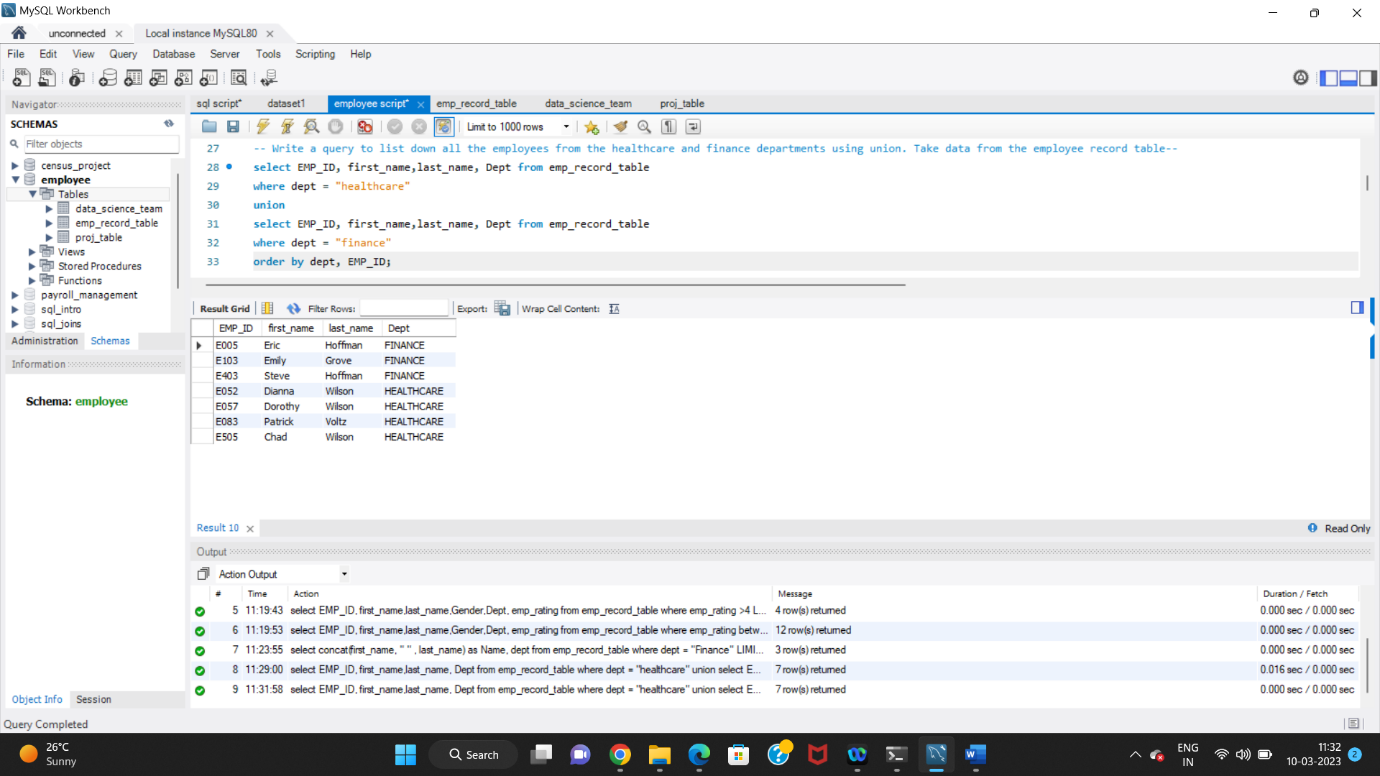
* Between two and four



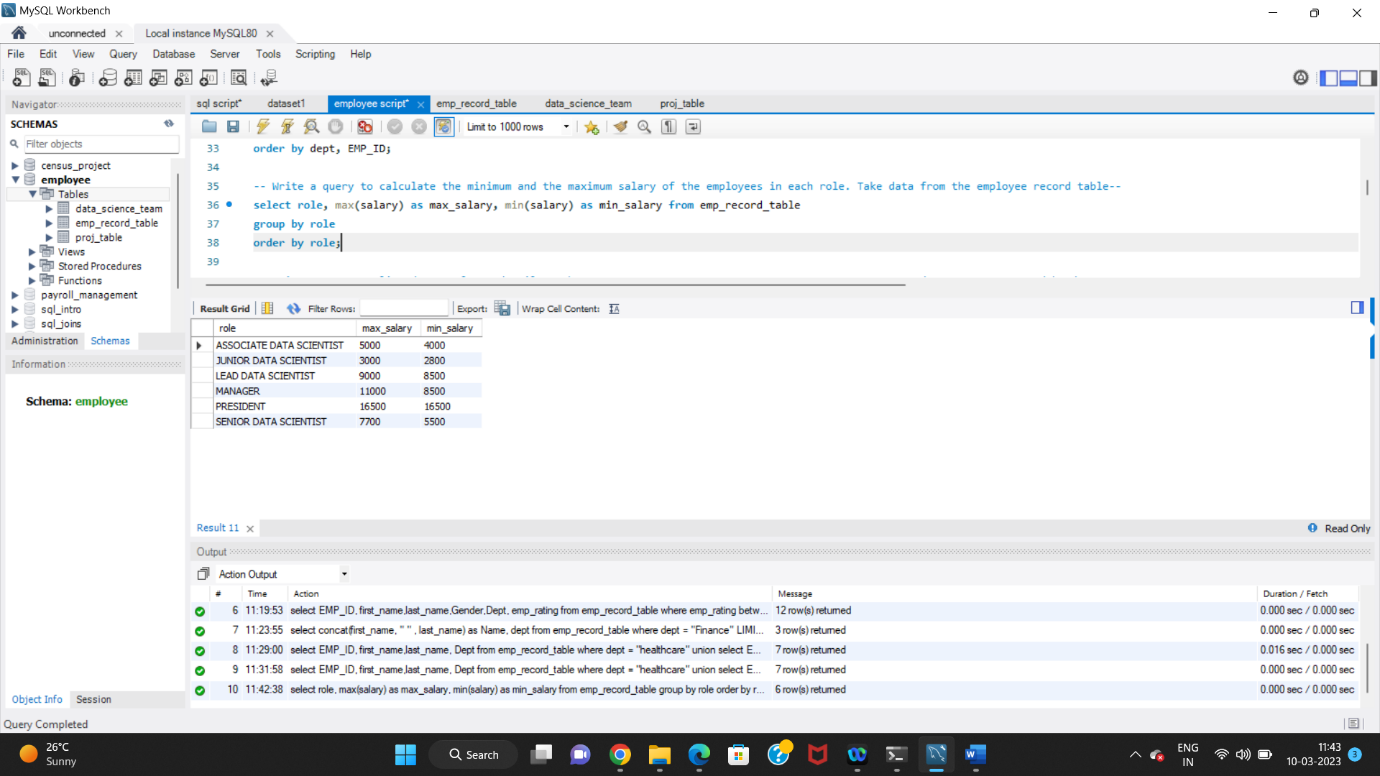
1. Write a query to concatenate the FIRST\_NAME and the LAST\_NAME of employees in the Finance department from the employee table and then give the resultant column alias as NAME.



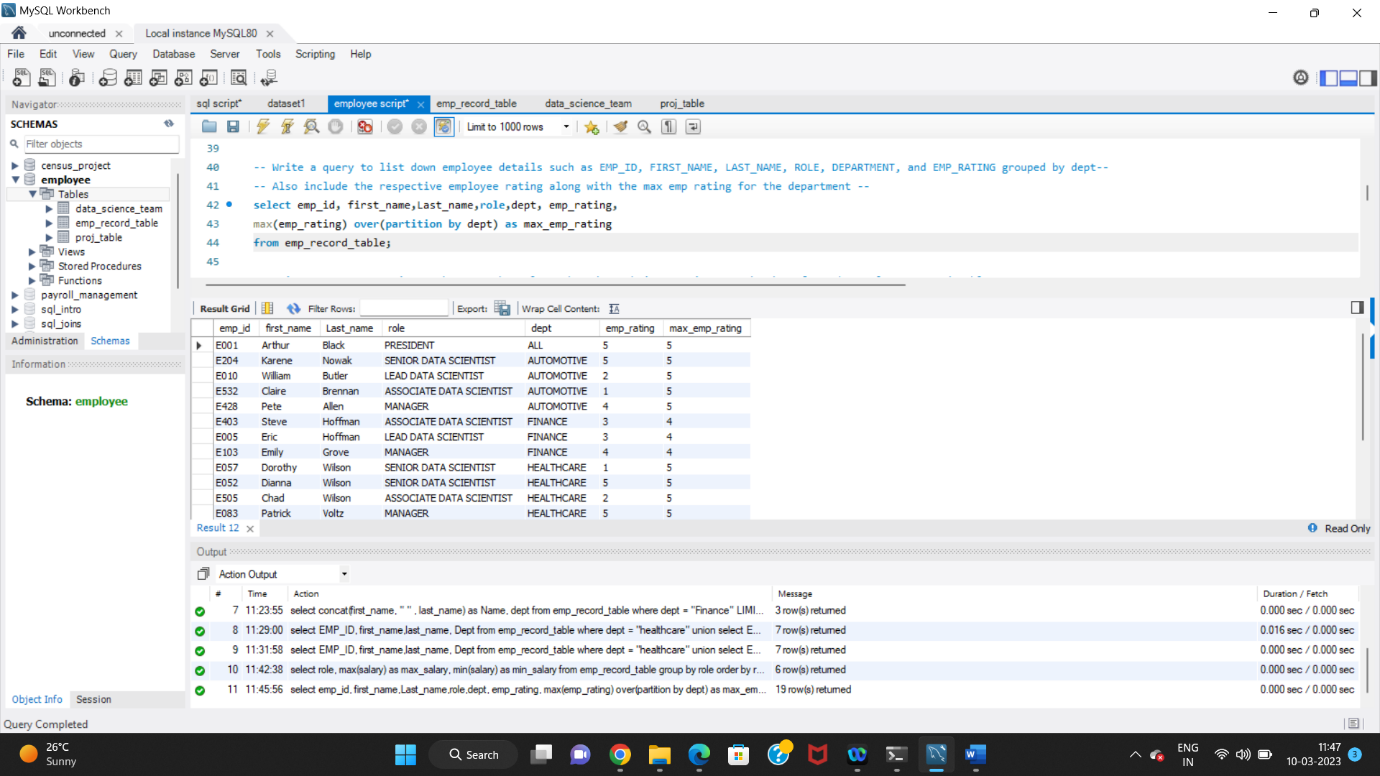
1. Write a query to list down all the employees from the healthcare and finance departments using union. Take data from the employee record table.



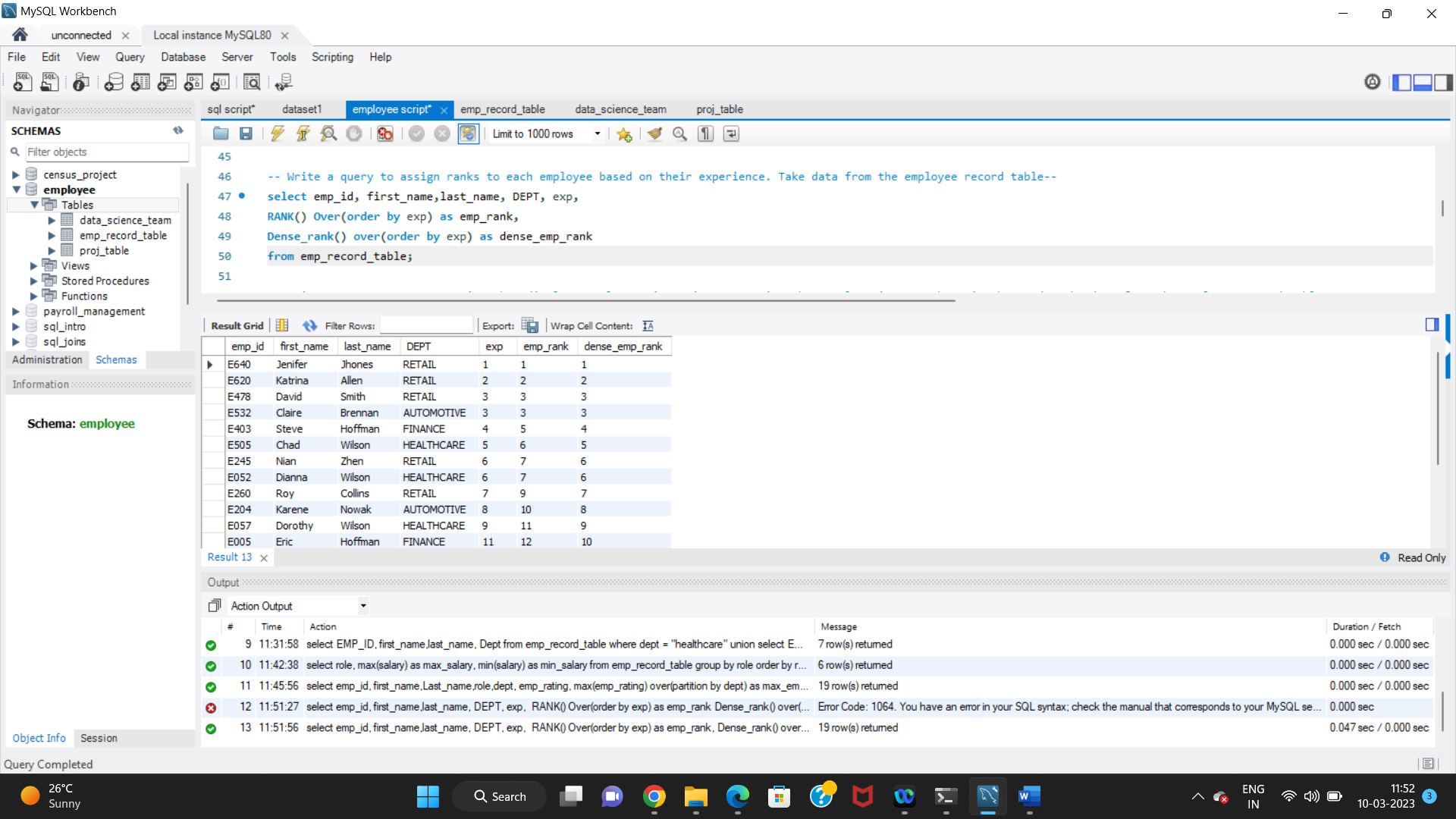
1. Write a query to calculate the minimum and the maximum salary of the employees in each role. Take data from the employee record table.



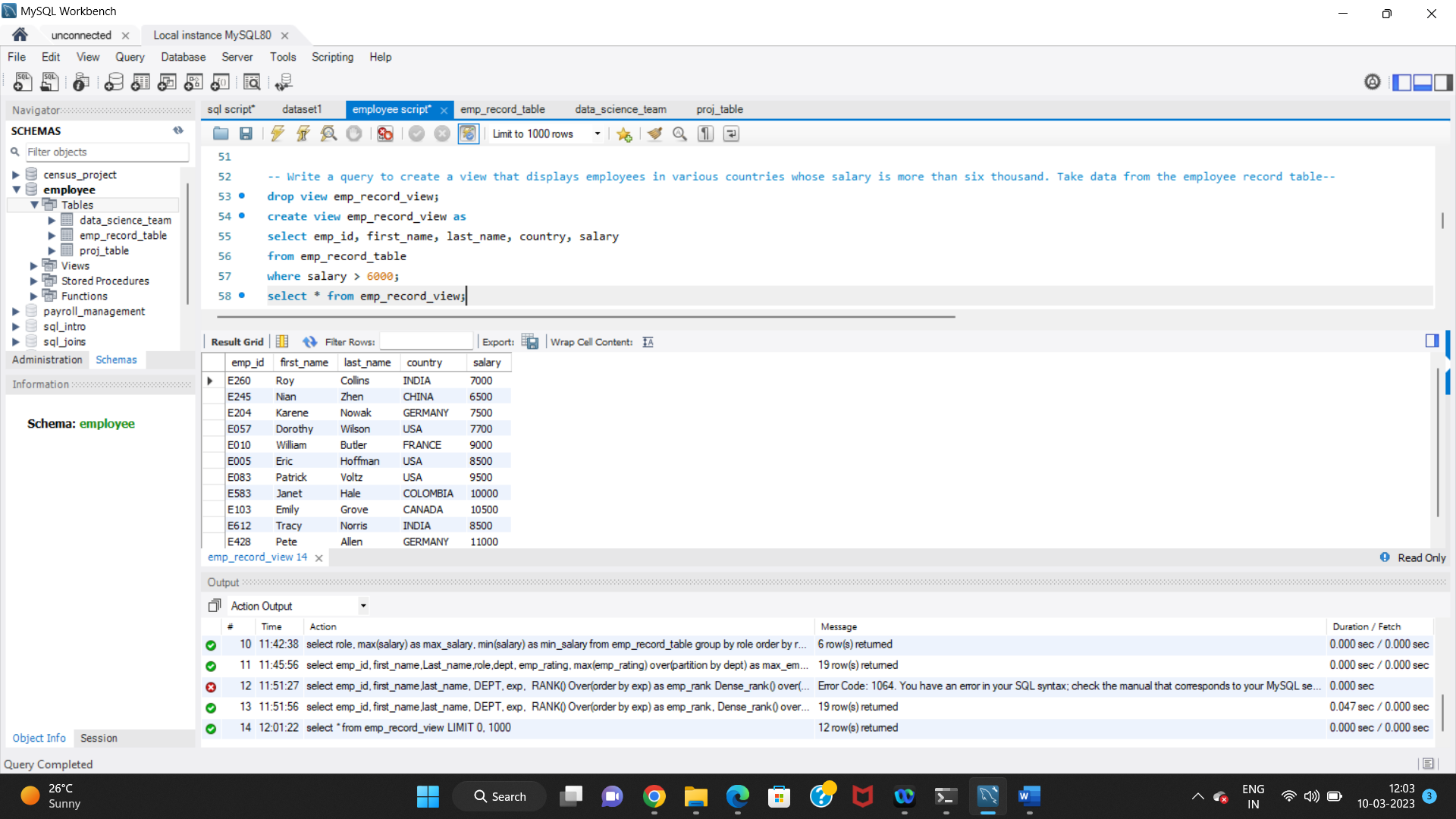
1. Write a query to list down employee details such as EMP\_ID, FIRST\_NAME, LAST\_NAME, ROLE, DEPARTMENT, and EMP\_RATING grouped by dept. Also include the respective employee rating along with the max emp rating for the department.



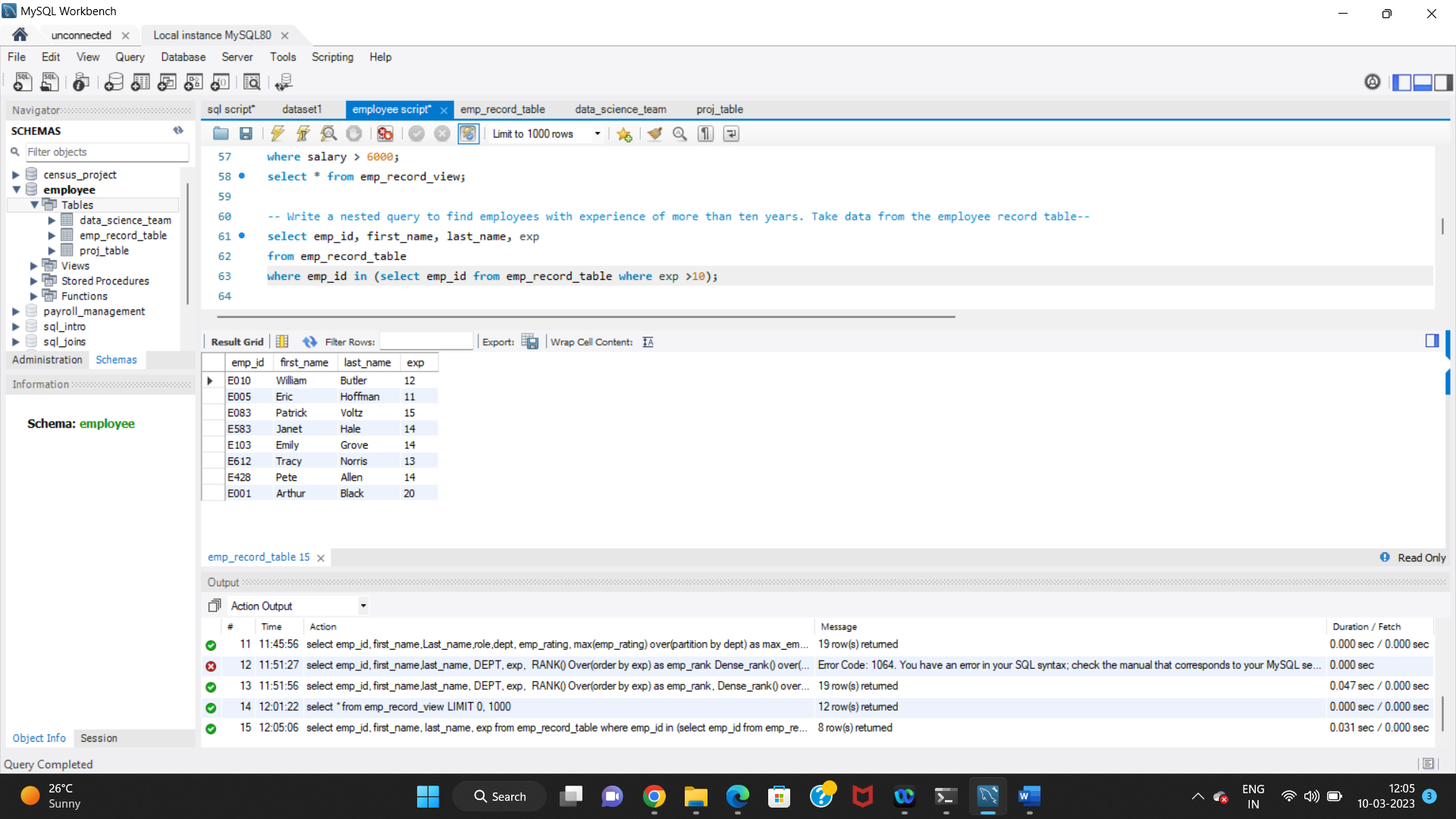
1. Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.



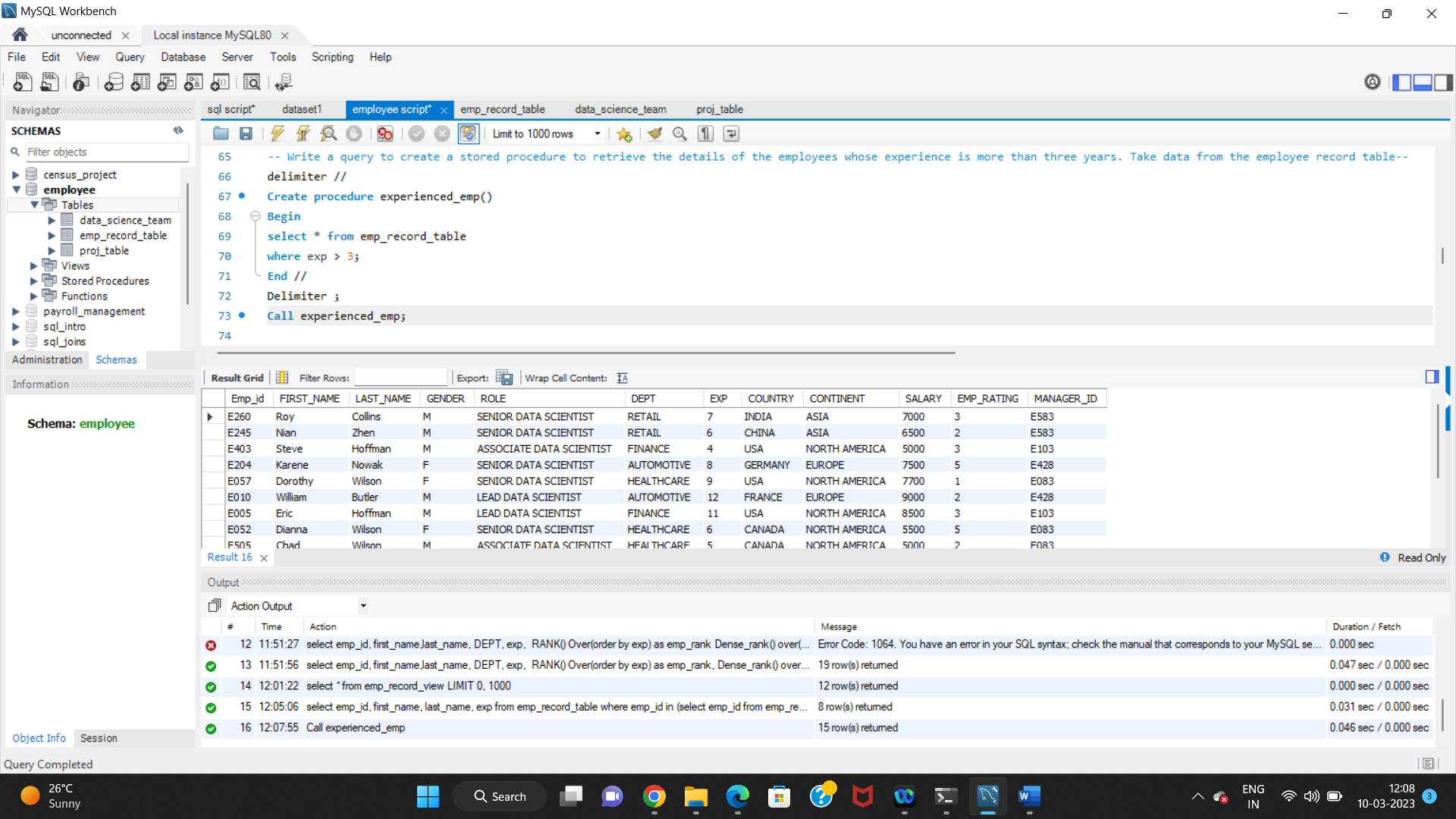
1. Write a query to create a view that displays employees in various countries whose salary is more than six thousand. Take data from the employee record table.



1. Write a nested query to find employees with experience of more than ten years. Take data from the employee record table.



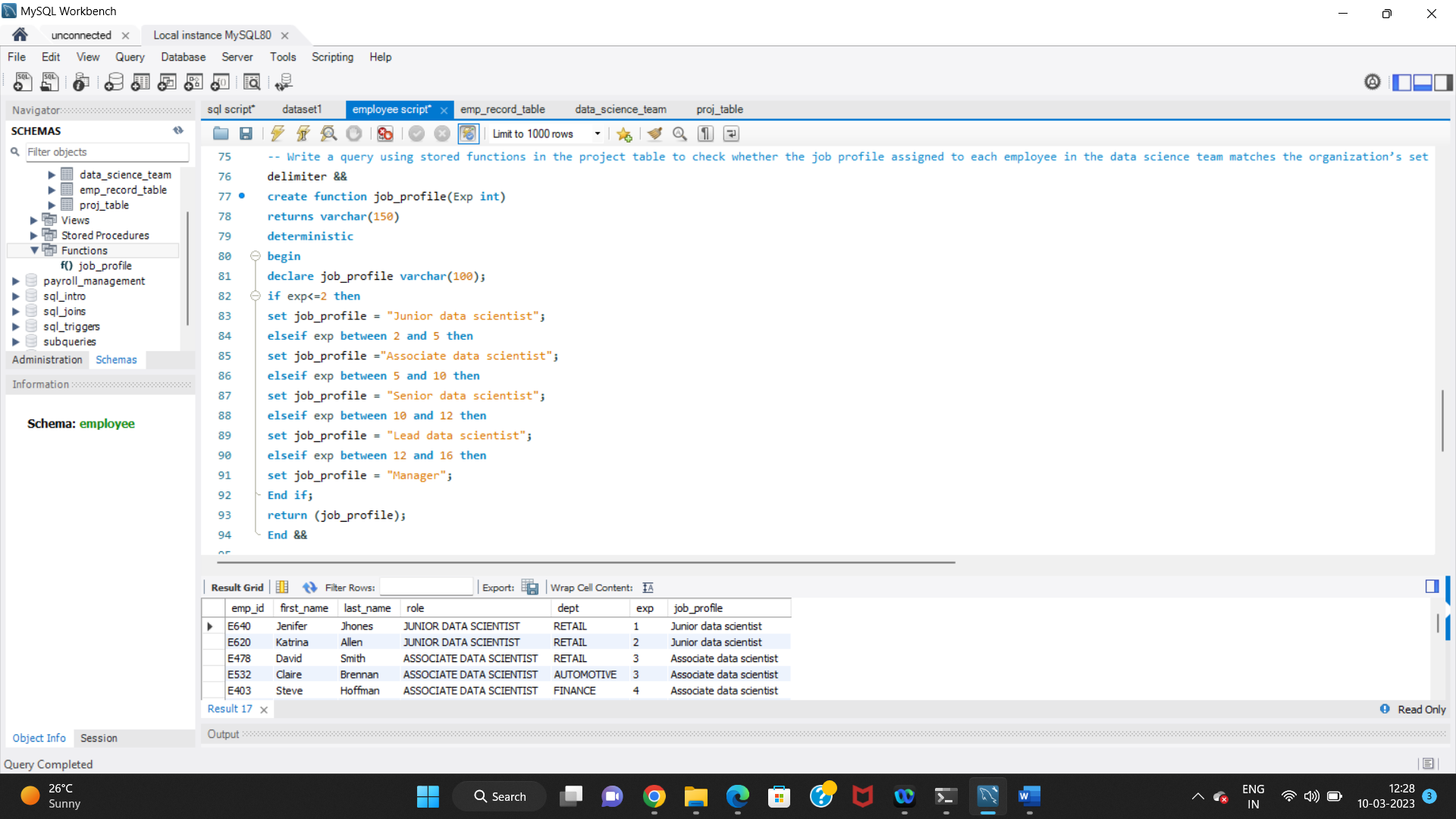
1. Write a query to create a stored procedure to retrieve the details of the employees whose experience is more than three years. Take data from the employee record table.



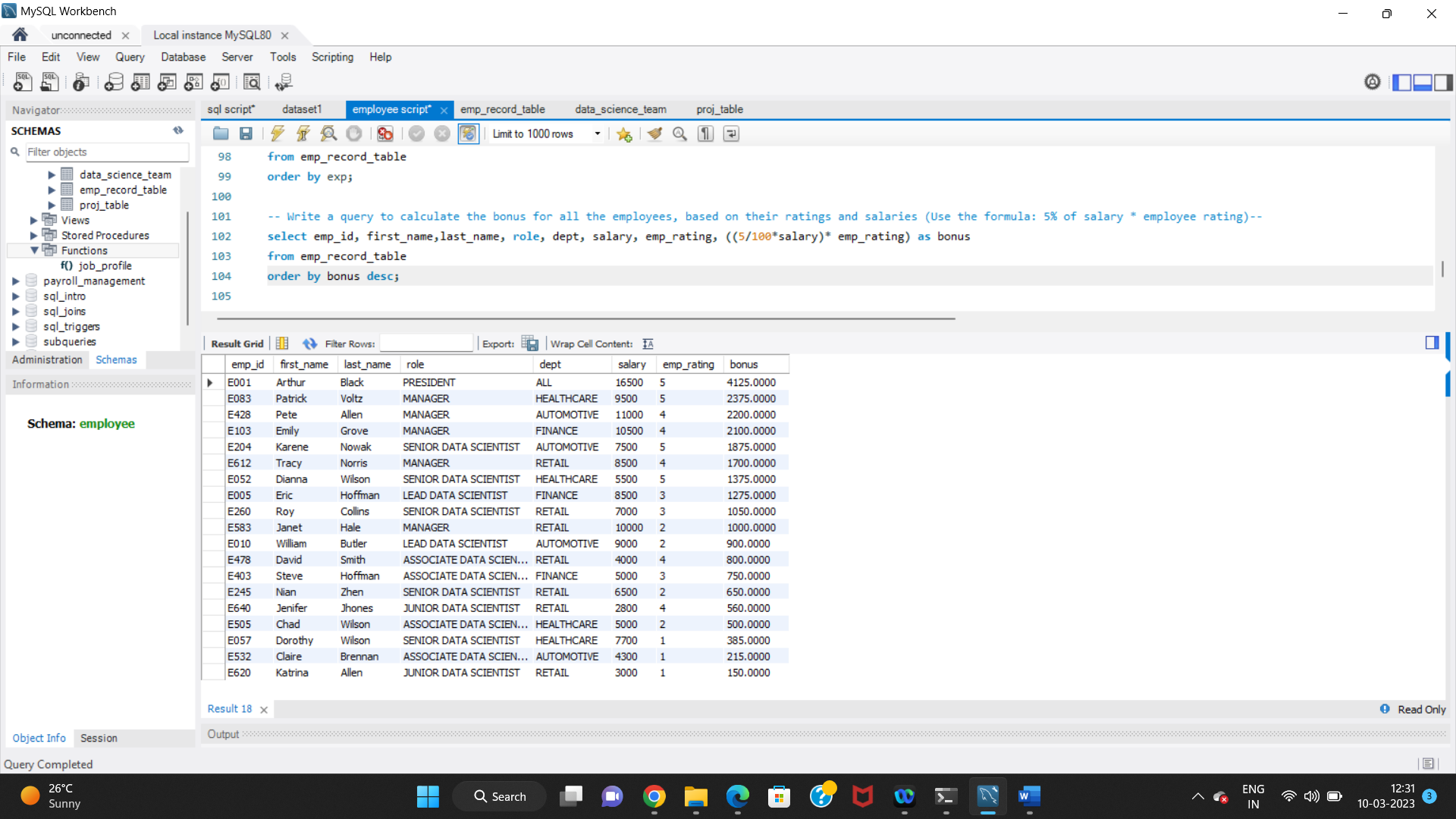
1. Write a query using stored functions in the project table to check whether the job profile assigned to each employee in the data science team matches the organization’s set standard.

The standard being:

* For an employee with experience less than or equal to 2 years assign 'JUNIOR DATA SCIENTIST',
* For an employee with the experience of 2 to 5 years assign 'ASSOCIATE DATA SCIENTIST',
* For an employee with the experience of 5 to 10 years assign 'SENIOR DATA SCIENTIST',
* For an employee with the experience of 10 to 12 years assign 'LEAD DATA SCIENTIST',
* For an employee with the experience of 12 to 16 years assign 'MANAGER'.



1. Write a query to calculate the bonus for all the employees, based on their ratings and salaries (Use the formula: 5% of salary \* employee rating).



1. Write a query to calculate the average salary distribution based on the continent and country. Take data from the employee record table.

