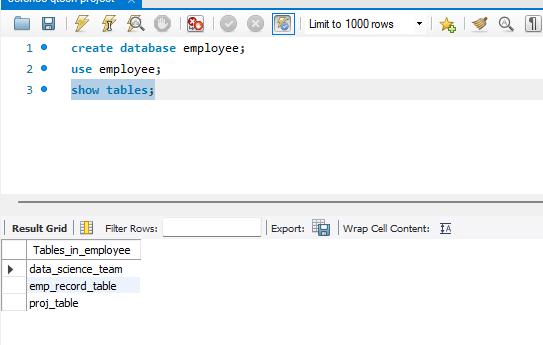
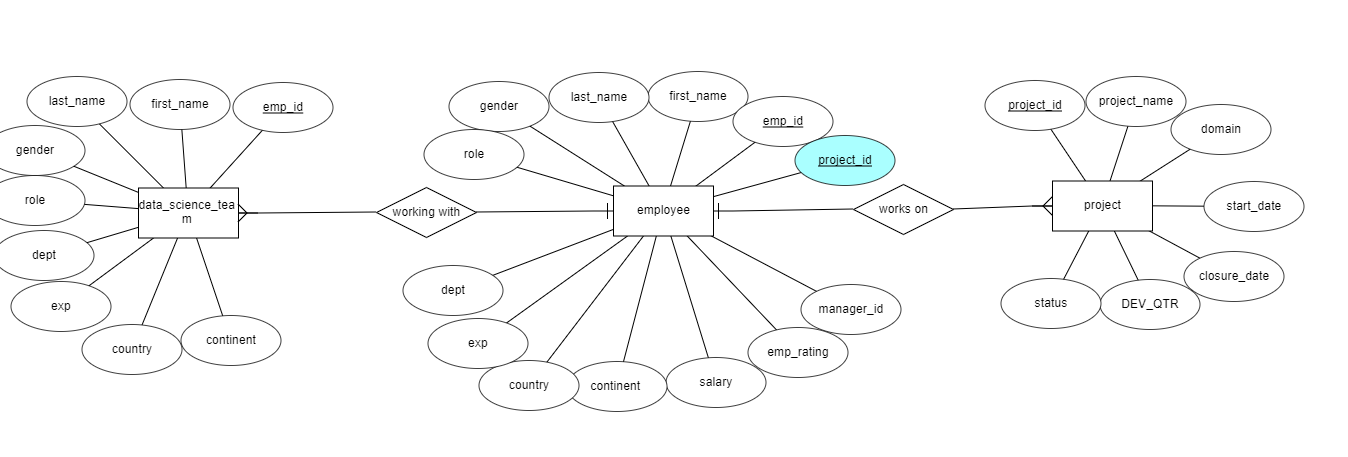
**SQL PROJECT**

**ScienceQtech Employee Performance Mapping**

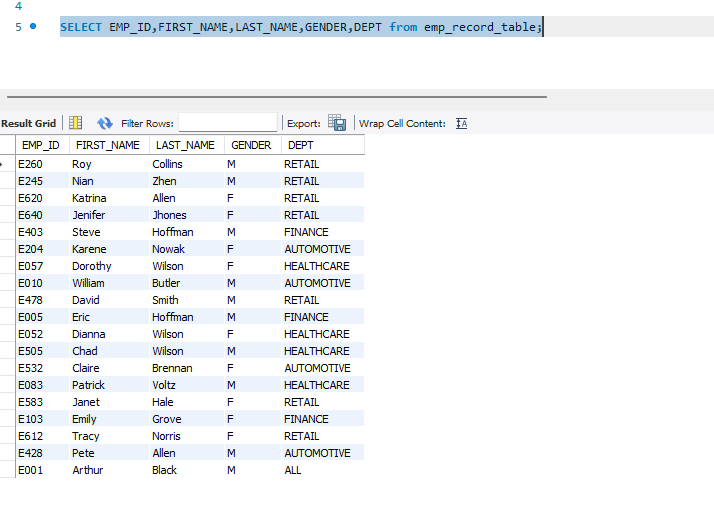
**1.Create a database named employee then import** **data\_science\_team.csv** **proj\_table.csv** **and** **emp\_record\_table.csv** **into the** **employee database from the given resources.**

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**2. Create an ER diagram for the given employee database.**

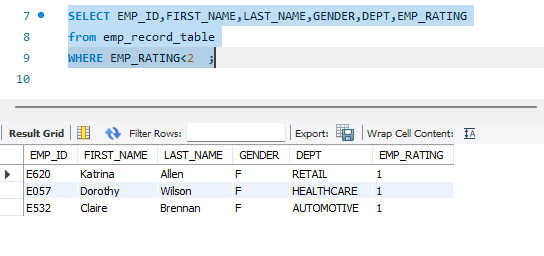
****

**3. 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.**

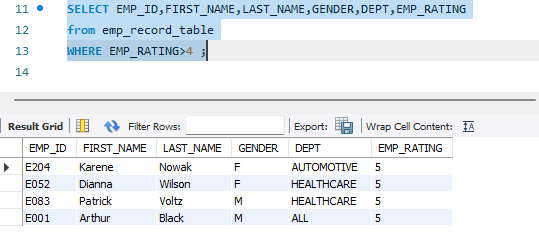
****

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

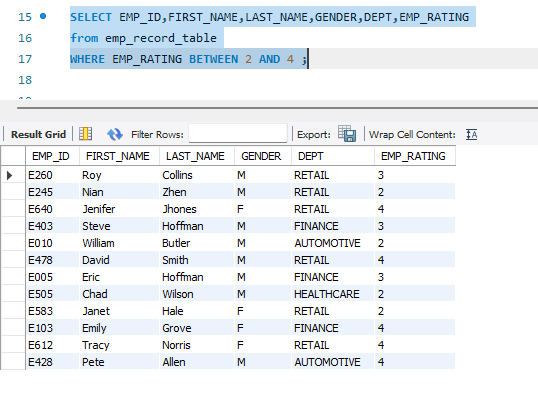
* **less than two**



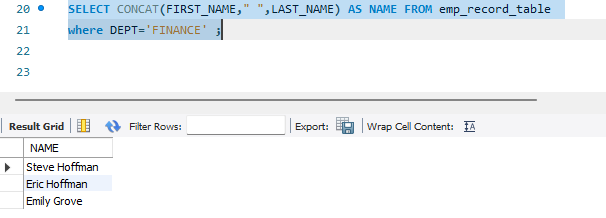
* **greater than four**



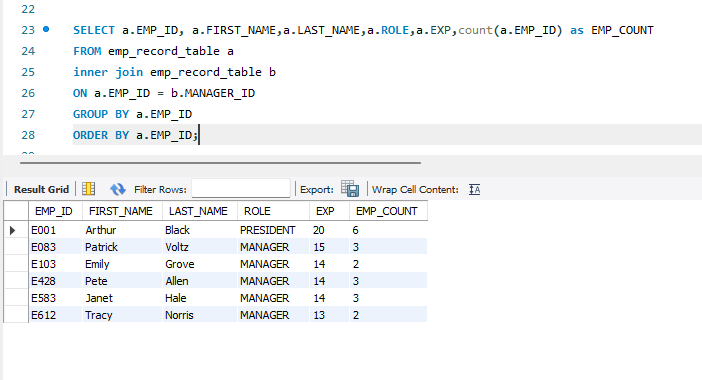
* **between two and four**



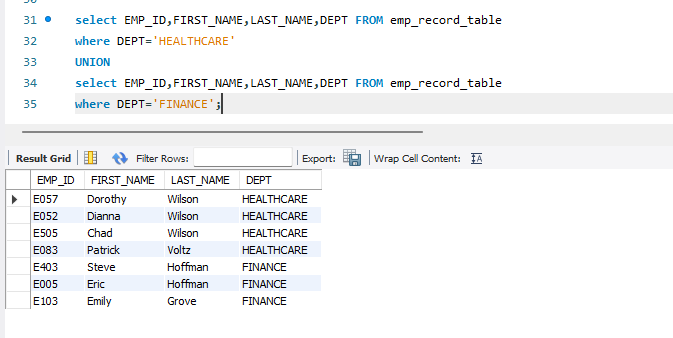
**5.Write a query to concatenate the FIRST\_NAME and the LAST\_NAME of employees in the Finance department from the employee table and then give the resultant column alias as NAME.**

****

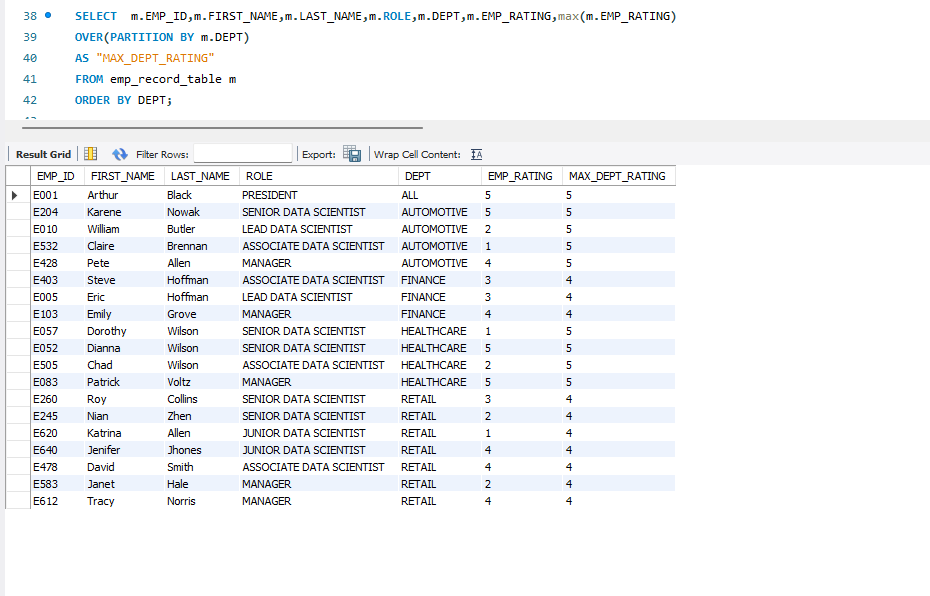
**6.Write a query to list only those employees who have someone reporting to them. Also, show the number of reporters (including the President).**

****

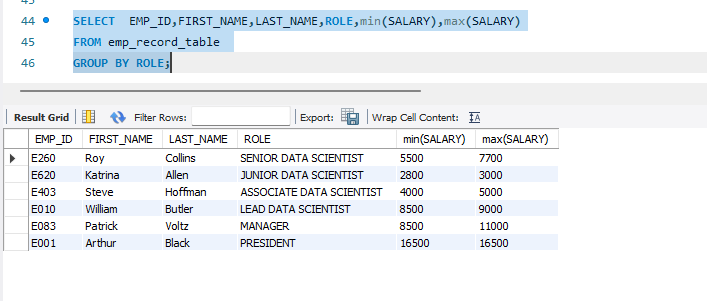
**7. Write a query to list down all the employees from the healthcare and finance departments using union. Take data from the employee record table.**

****

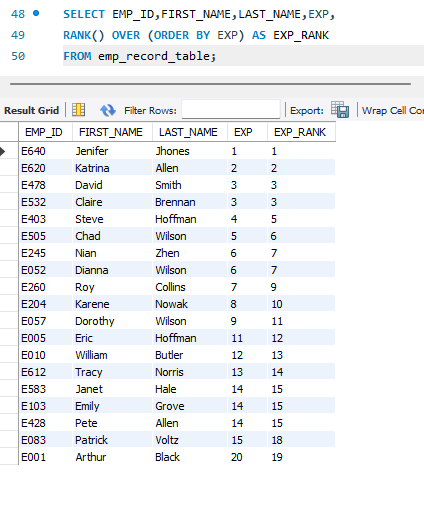
**8.Write a query to list down employee details such as EMP\_ID, FIRST\_NAME, LAST\_NAME, ROLE, DEPARTMENT, and EMP\_RATING grouped by dept. Also include the respective employee rating along with the max emp rating for the department.**



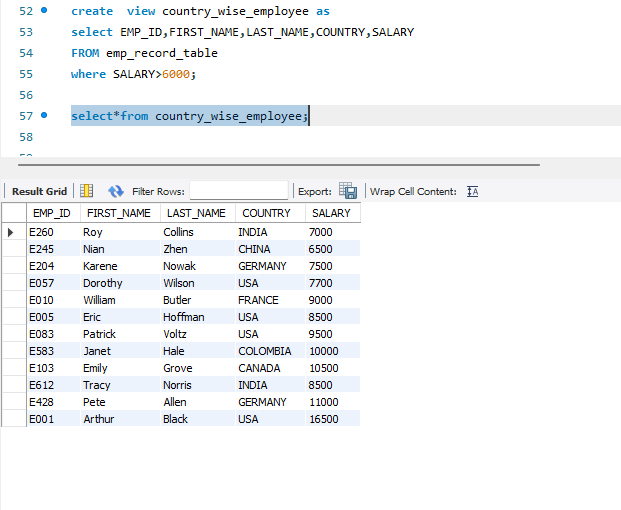
**9.Write a query to calculate the minimum and the maximum salary of the employees in each role. Take data from the employee record table.**



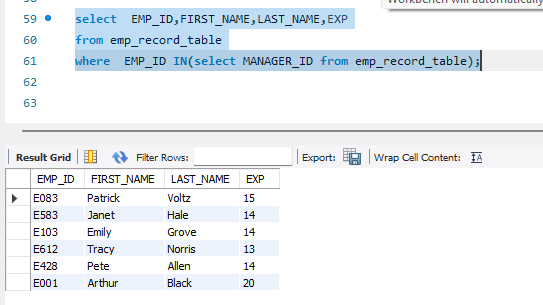
**10.Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.**

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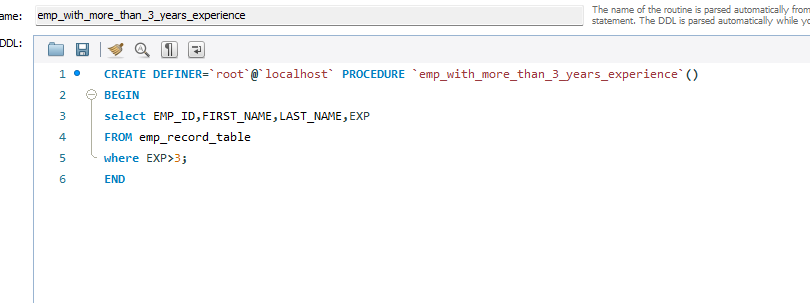
**11. Write a query to create a view that displays employees in various countries whose salary is more than six thousand. Take data from the employee record table.**

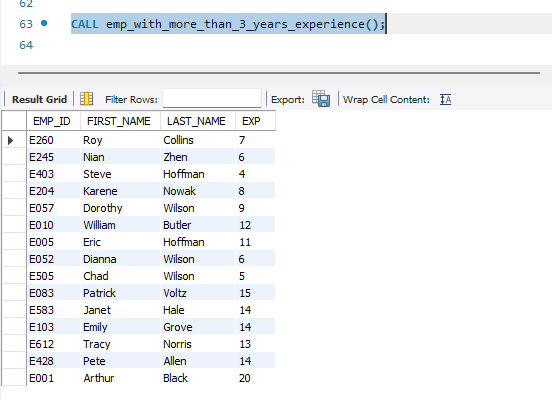
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**12. Write a nested query to find employees with experience of more than ten years. Take data from the employee record table.**

****

**13. 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.**

****



**14. 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',**

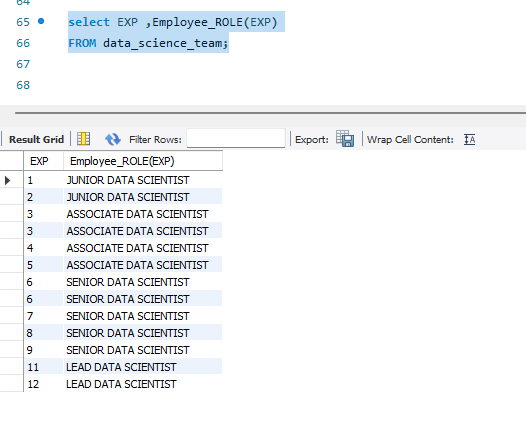
**For an employee with the experience of 2 to 5 years assign 'ASSOCIATE DATA SCIENTIST',**

**For an employee with the experience of 5 to 10 years assign 'SENIOR DATA SCIENTIST',**

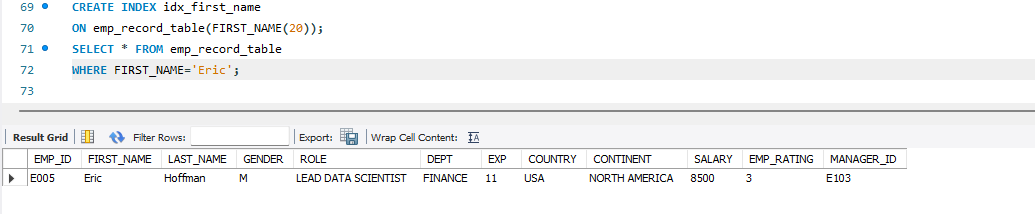
**For an employee with the experience of 10 to 12 years assign 'LEAD DATA SCIENTIST',**

**For an employee with the experience of 12 to 16 years assign 'MANAGER'.**

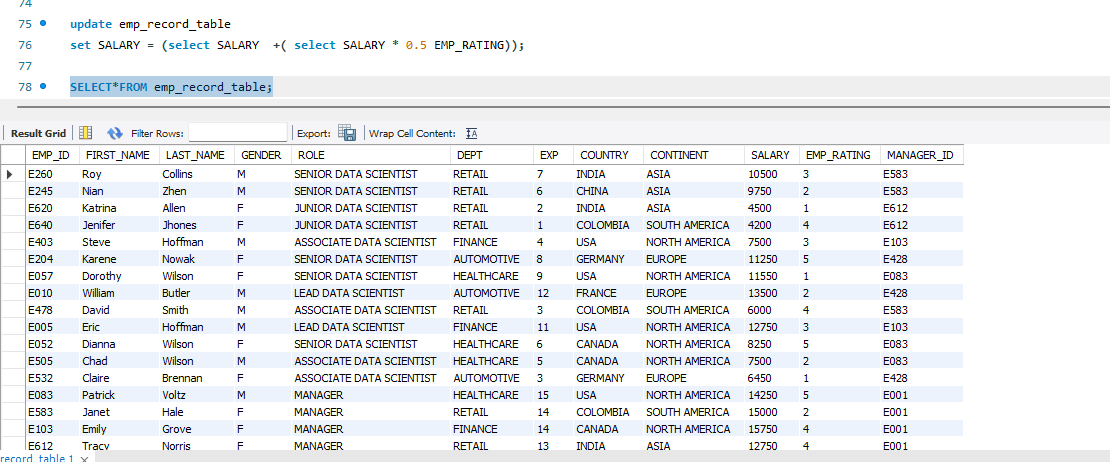
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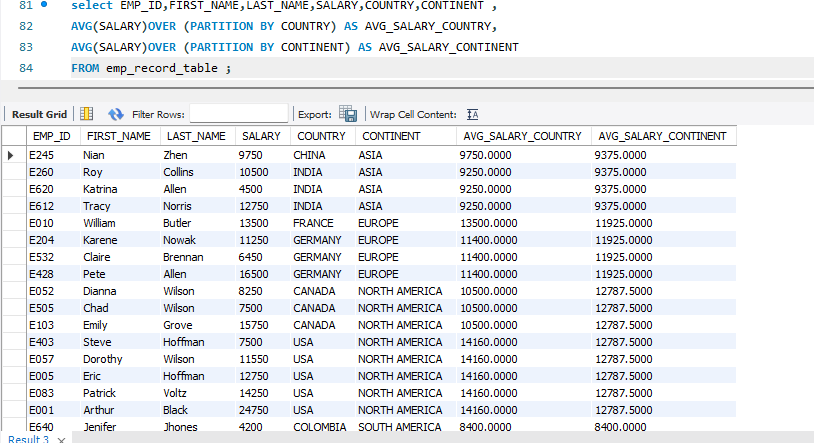
**15.Create an index to improve the cost and performance of the query to find the employee whose FIRST\_NAME is ‘Eric’ in the employee table after checking the execution plan**

****

**16. 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).**

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

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