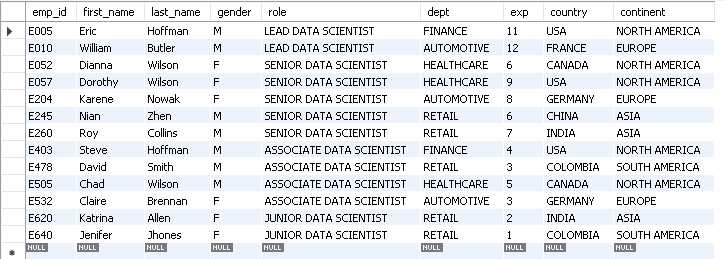
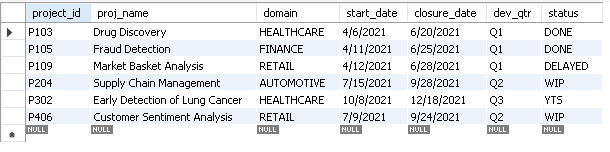
**ScienceQTech Employee Performance Analysis**

*#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.*

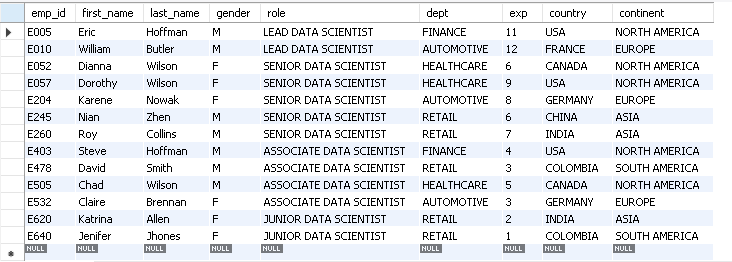
1. *data\_science\_team*



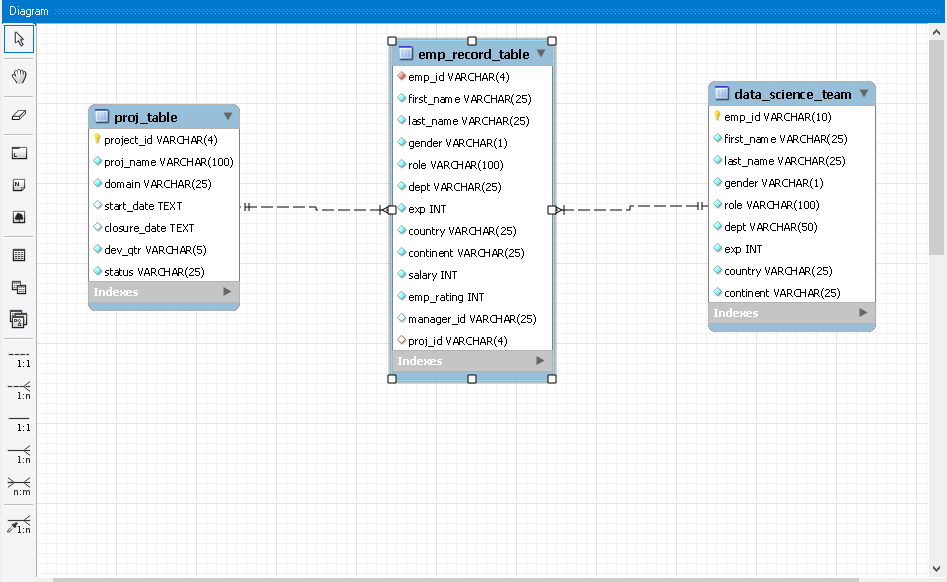
1. proj\_table



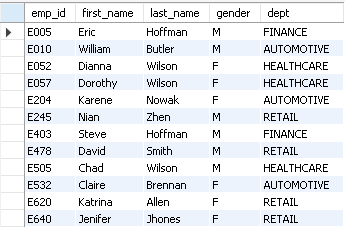
1. emp\_record\_table;



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

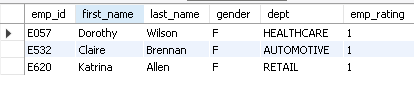


*#3. Write a query to fetch EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER, and DEPARTMENT from the employee record table, and make a list of employees and details of their department.*

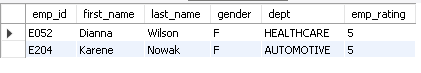


*#4. Write a query to fetch EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER, DEPARTMENT, and EMP\_RATING if the EMP\_RATING is:*

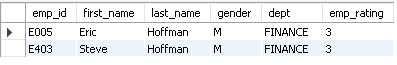
*#i. less than two*



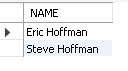
*#ii. greater than four*



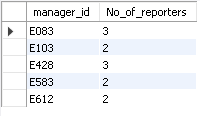
*#iii. between two and four*



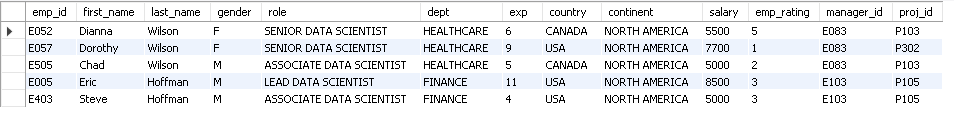
*#5. Write a query to concatenate the FIRST\_NAME and the LAST\_NAME of employees in the Finance department from the employee table and then give the resultant column alias as NAME.*



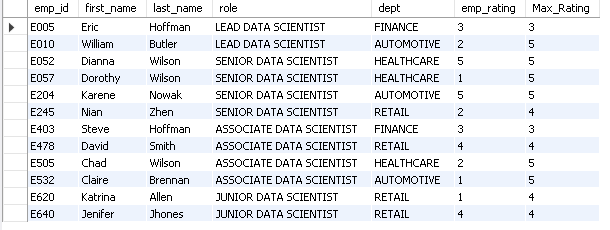
*#6. Write a query to list only those employees who have someone reporting to them. Also, show the number of reporters (including the President).*



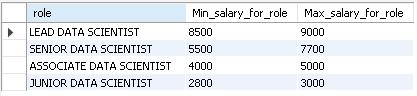
*#7. Write a query to list down all the employees from the healthcare and finance departments using union. Take data from the employee record table.*



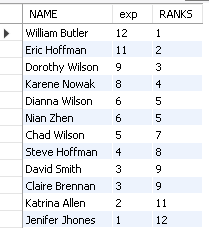
*#8. Write a query to list down employee details such as EMP\_ID, FIRST\_NAME, LAST\_NAME, ROLE, DEPARTMENT, and EMP\_RATING grouped by dept. Also include the respective employee rating along with the max emp rating for the department.*



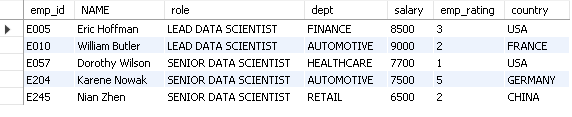
*#9. Write a query to calculate the minimum and the maximum salary of the employees in each role. Take data from the employee record table.*



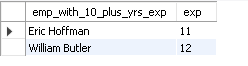
*#10. Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.*



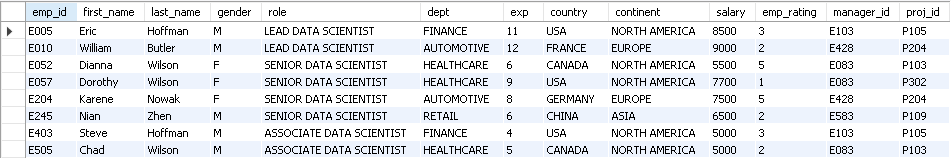
*11. Write a query to create a view that displays employees in various countries whose salary is more than six thousand. Take data from the employee record table.*



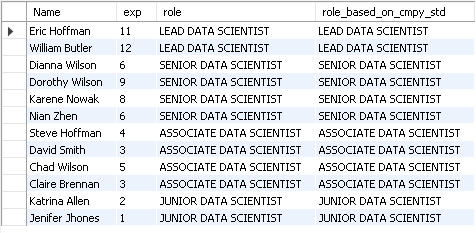
*#12. Write a nested query to find employees with experience of more than ten years. Take data from the employee record table.*



*#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.*



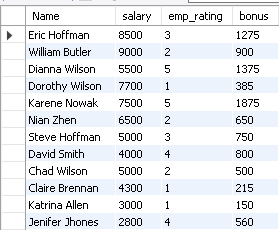
*#14. Write a query using stored functions in the project table to check whether the job profile assigned to each employee in the data science team matches the organization’s set standard.*



*#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*.

CREATE INDEX firstName ON emp\_record\_table(first\_name);

*#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).*



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

