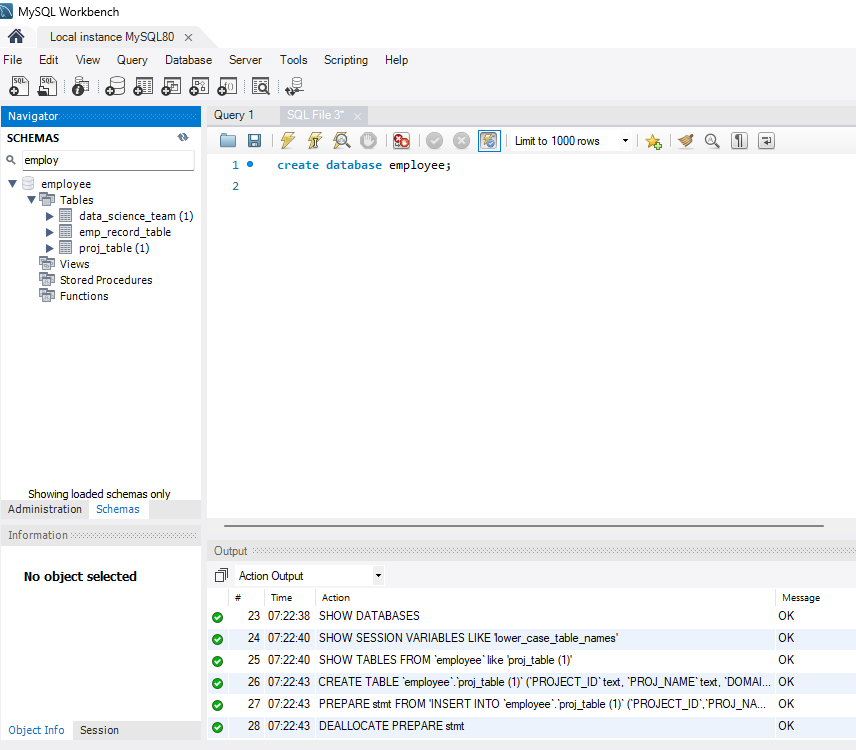
**SQL PROJECT**

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.

**CODE:** create database employee;

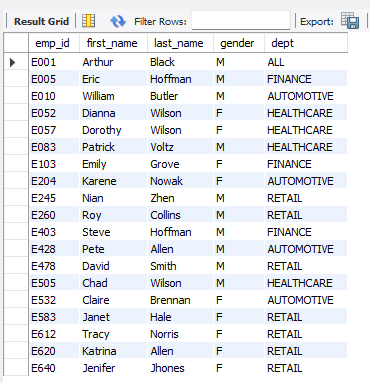
**OUTPUT:**



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.

**CODE:** select emp\_id,first\_name,last\_name,gender,dept from emp\_record\_table order by dept;

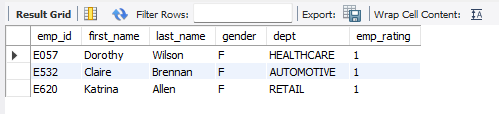
**OUTPUT**:



**3**. 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

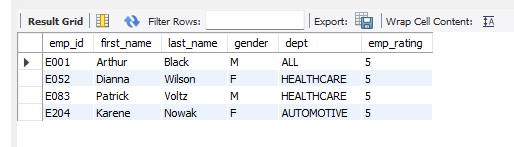
**CODE**: select emp\_id,first\_name,last\_name,gender,dept,emp\_rating from emp\_record\_table where emp\_rating<2;

**OUTPUT**:



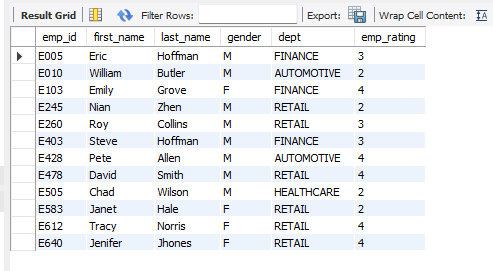
select emp\_id,first\_name,last\_name,gender,dept,emp\_rating from emp\_record\_table where emp\_rating>4;

**OUTPUT**:



select emp\_id,first\_name,last\_name,gender,dept,emp\_rating from emp\_record\_table where emp\_rating between 2 and 4;

**OUTPUT**:

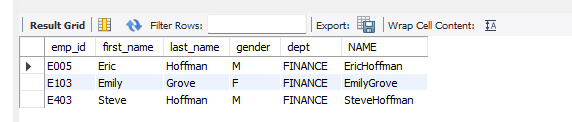


**4**.Write a query to concatenate the FIRST\_NAME and the LAST\_NAME of employees in the Finance department from the employee table and then give the resultant column alias as NAME.

**CODE**:

select emp\_id,first\_name,last\_name,gender,dept, concat(first\_name, last\_name) as NAME from emp\_record\_table where dept='finance';

**OUTPUT**:



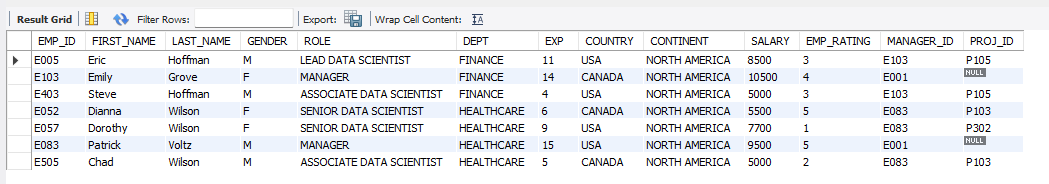
**5**. Write a query to list down all the employees from the healthcare and finance departments using union. Take data from the employee record table.

**CODE**: select \* from emp\_record\_table where dept='finance'

union

select \* from emp\_record\_table where dept='healthcare' ;

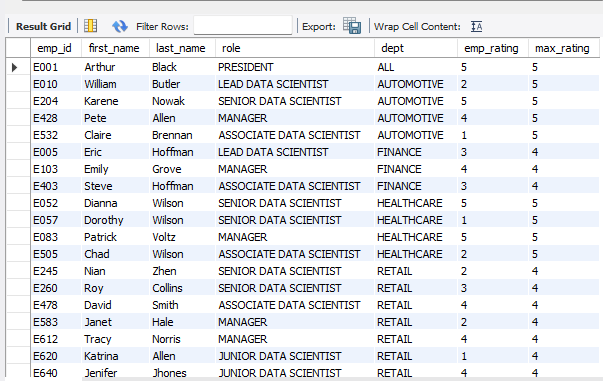
**OUTPUT**:



**6**. 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.

**CODE**: select emp\_id,first\_name,last\_name,role,dept,emp\_rating, max(emp\_rating) over(partition by dept) as max\_rating from emp\_record\_table;

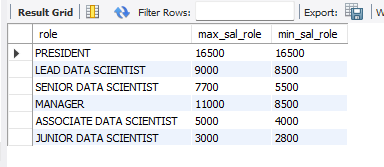
**OUTPUT**:



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

**CODE**: select role, max(salary) as max\_sal\_role, min(salary) as min\_sal\_role from emp\_record\_table group by role ;

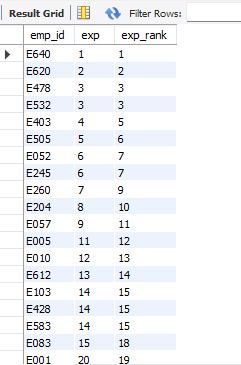
**OUTPUT**:



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

**CODE**: select emp\_id, exp, rank() over( order by exp) as exp\_rank from emp\_record\_table ;

**OUTPUT**:



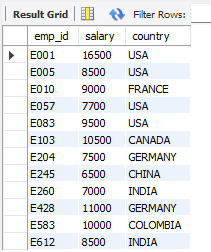
**9**. Write a query to create a view that displays employees in various countries whose salary is more than six thousand. Take data from the employee record table.

**CODE**: create view emp\_view as

select emp\_id , salary , country from emp\_record\_table where salary >6000 ;

select \* from emp\_view;

**OUTPUT**:



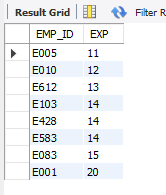
**10**. Write a nested query to find employees with experience of more than ten years. Take data from the employee record table.

**CODE**: select emp\_id , exp from (

select \* from emp\_record\_table where exp >10 order by exp)

as exp\_greater;

**OUTPUT**:



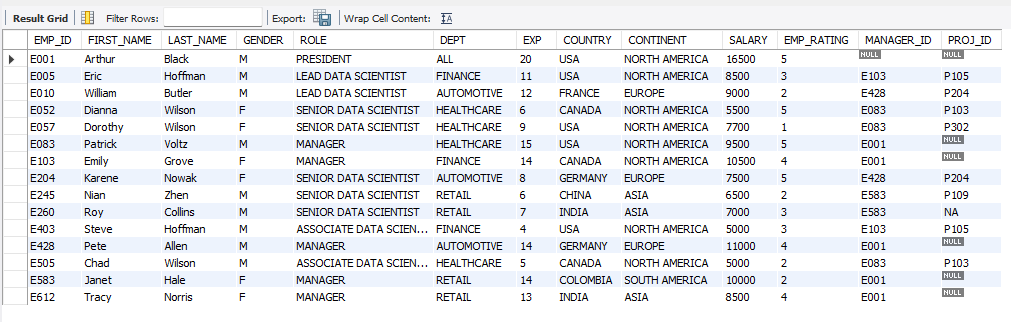
**11**. Write a query to create a stored procedure to retrieve the details of the employees whose experience is more than three years. Take data from the employee record table.

**CODE**: create procedure emp\_details()

select \* from emp\_record\_table where exp > 3 ;

call emp\_details();

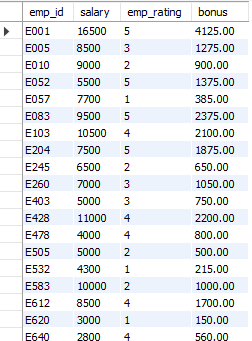
**OUTPUT**:



**12**. 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).

**CODE**:select emp\_id, salary, emp\_rating, (salary\*0.05) \* emp\_rating as bonus from emp\_record\_table;

**OUTPUT**:



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

**CODE**: select country , continent , avg(salary) from emp\_record\_table group by continent , country;

**OUTPUT**:

