

Project: MySQL _ Employee Performance Mapping

→ Creating a database named employee, then importing data_science_team.csv, proj_table.csv and emp_record_table.csv data files into the employee database from the given resources.

The screenshot shows the MySQL Workbench interface with the following details:

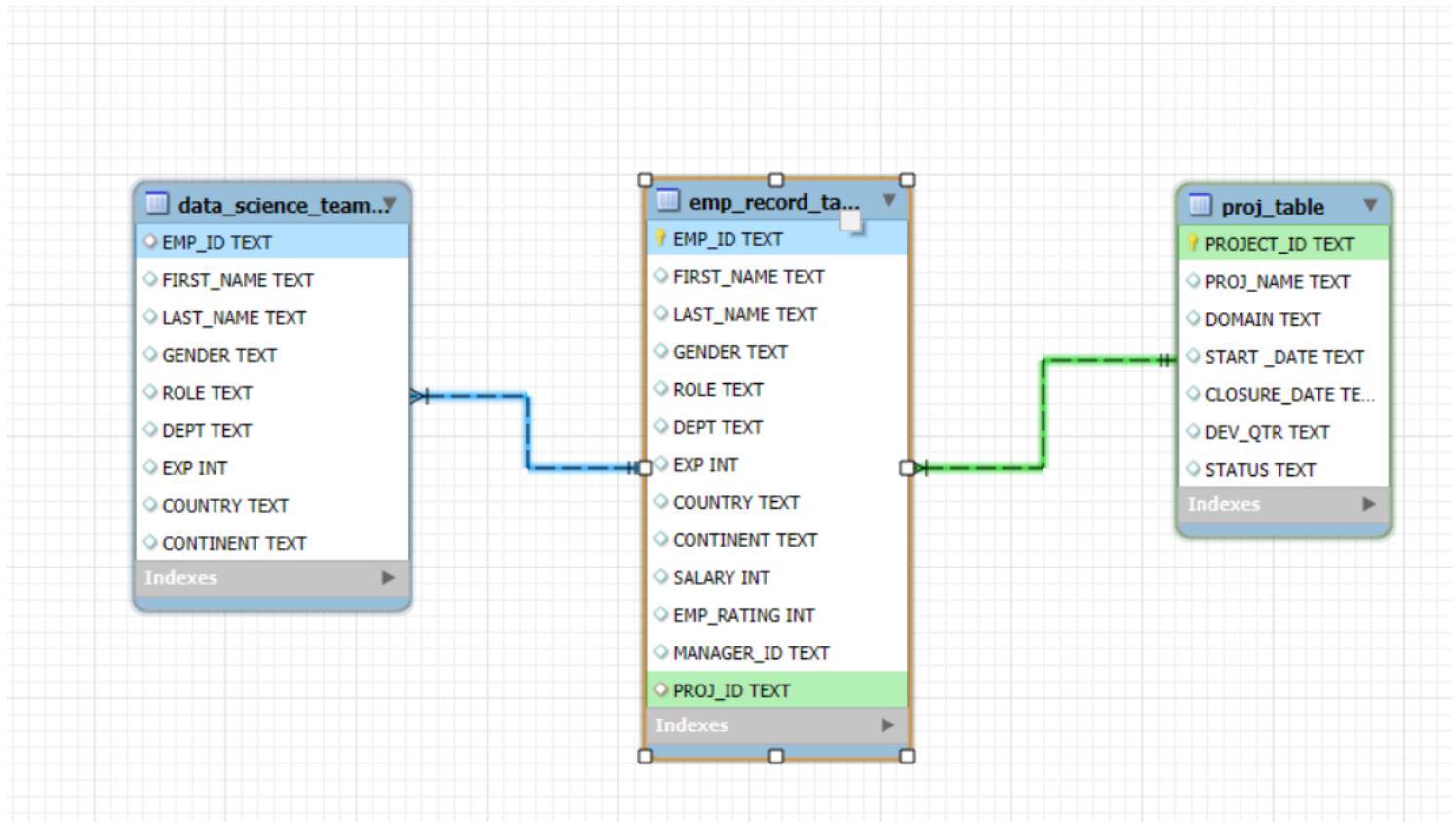
- File Bar:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help.
- Toolbar:** SQL, DDL, Scripts, Tables, Views, Procedures, Functions, Joins, Data, Reports, Help.
- Navigator:** Schemas (classicmodels, da_sql, employee, practice, sakila, sys, world). The employee schema is expanded, showing Tables (data_science_team, emp_record_table, proj_table), Views, Stored Procedures, and Functions.
- SQL Editor:** SQL File 6* (Project 1 - SQL tab selected). The code is:

```
-- Project 1: Employee Dataset_Zohaib
-- Create database employee
create database employee;
use employee;

-- Importing all 3 Tables
```
- Output Window:** Action Output table showing two rows:

#	Time	Action	Message
566	10:25:29	PREPARE stmt FROM 'INSERT INTO `employee`.`proj_table` (`PROJECT_ID`,`PROJ_NAME`,`DOMAIN`,`STA...'	OK
567	10:25:29	DEALLOCATE PREPARE stmt	OK
- Bottom Navigation:** Object Info, Session.

→ Creating an ER diagram for the given employee database.



→ Query to fetch EMP_ID, FIRST_NAME, LAST_NAME, GENDER, and DEPARTMENT from the employee record table, and making a list of employees and details of their department.

```
8      -- Q3. Retrieve columns from employee record table
9 •  select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,DEPT from emp_record_table;
10
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	DEPT
▶	E001	Arthur	Black	M	ALL
	E005	Eric	Hoffman	M	FINANCE
	E010	William	Butler	M	AUTOMOTIVE
	E052	Dianna	Wilson	F	HEALTHCARE
	E057	Dorothy	Wilson	F	HEALTHCARE
	E083	Patrick	Voltz	M	HEALTHCARE
	E103	Emily	Grove	F	FINANCE
	E204	Karene	Nowak	F	AUTOMOTIVE
	E245	Nian	Zhen	M	RETAIL
	E260	Roy	Collins	M	RETAIL

emp_record_table 2 ×

Output ::::::::::::::::::::

→ Query to fetch EMP_ID, FIRST_NAME, LAST_NAME, GENDER, DEPARTMENT, and EMP_RATING if the EMP_RATING for:

- Less than two

```
11      -- Q4. 4. Write a query to fetch EMP_ID, FIRST_NAME, LAST_NAME, GI  
12 •  select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,DEPT,EMP_RATING  
13    from emp_record_table  
14    where emp_rating < 2;  
15  
16 •  select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,DEPT,EMP_RATING
```

Result Grid						
	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	DEPT	EMP_RATING
▶	E057	Dorothy	Wilson	F	HEALTHCARE	1
	E532	Claire	Brennan	F	AUTOMOTIVE	1
	E620	Katrina	Allen	F	RETAIL	1

- Greater than four

```
16 •  select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,DEPT,EMP_RATING  
17    from emp_record_table  
18    where emp_rating > 4;  
19
```

Result Grid						
	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	DEPT	EMP_RATING
▶	E001	Arthur	Black	M	ALL	5
	E052	Dianna	Wilson	F	HEALTHCARE	5
	E083	Patrick	Voltz	M	HEALTHCARE	5
	E204	Karene	Nowak	F	AUTOMOTIVE	5

- Between two and four

```

11      -- Q4. 4. Write a query to fetch EMP_ID, FIRST_NAME, LAST_NAME, GENDER
12 •   select EMP_ID,FIRST_NAME,LAST_NAME,GENDER,DEPT,EMP_RATING
13     from emp_record_table
14     where emp_rating between 2 and 4;

```

Result Grid | Filter Rows: _____ | Export: Wrap Cell Content:

EMP_ID	FIRST_NAME	LAST_NAME	GENDER	DEPT	EMP_RATING
E005	Eric	Hoffman	M	FINANCE	3
E010	William	Butler	M	AUTOMOTIVE	2
E103	Emily	Grove	F	FINANCE	4
E245	Nian	Zhen	M	RETAIL	2
E260	Roy	Collins	M	RETAIL	3
E403	Steve	Hoffman	M	FINANCE	3
E428	Pete	Allen	M	AUTOMOTIVE	4
E478	David	Smith	M	RETAIL	4
E505	Chad	Wilson	M	HEALTHCARE	2
E583	Janet	Hale	F	RETAIL	2

emp_record_table 4 ×

Output

→ 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.

```
16      -- Q5.  
17 •  select concat(FIRST_NAME, ' ', LAST_NAME) as NAME  
18    from emp_record_table  
19   where dept= 'Finance';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	NAME			
▶	Eric Hoffman			
	Emily Grove			
	Steve Hoffman			

→ Query to list only those employees who have someone reporting to them. Also, show the number of reporters (including the President).

```
--  
29      -- Q6. Write a query to list only those employees who have someone  
30 •  select MANAGER_ID, count(emp_id) from emp_record_table  
31      group by manager_id;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	MANAGER_ID	count(emp_id)		
▶	NULL	1		
	E103	2		
	E428	3		
	E083	3		
	E001	5		
	E583	3		
	E612	2		

→ Query to list down all the employees from the healthcare and finance departments using union. Take data from the employee record table.

```

33   -- Q7. Write a query to list down all the employees from the healthcare and finance departments using union. Take data from the employee rec
34 • select * from emp_record_table
35 where dept = 'healthcare'
36 union
37 select * from emp_record_table where dept = 'finance';
38

```

Result Grid													
	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID
▶	E052	Dianna	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	6	CANADA	NORTH AMERICA	5500	5	E083	P103
	E057	Dorothy	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	9	USA	NORTH AMERICA	7700	1	E083	P302
	E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	NULL
	E505	Chad	Wilson	M	ASSOCIATE DATA SCIENTIST	HEALTHCARE	5	CANADA	NORTH AMERICA	5000	2	E083	P103
	E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105
	E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	NULL
	E403	Steve	Hoffman	M	ASSOCIATE DATA SCIENTIST	FINANCE	4	USA	NORTH AMERICA	5000	3	E103	P105

→ 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.

```

39   -- Q8. Write a query to list down employee details such as EMP_ID, FIRST_NAME, LAST_NAME, ROLE, DEPARTMENT
40 • select EMP_ID,FIRST_NAME,LAST_NAME, ROLE, DEPT, EMP_RATING,
41   max(emp_rating) over (partition by dept) from emp_record_table;
42

```

Result Grid						
	EMP_ID	FIRST_NAME	LAST_NAME	ROLE	DEPT	EMP_RATING
▶	E001	Arthur	Black	PRESIDENT	ALL	5
	E010	William	Butler	LEAD DATA SCIENTIST	AUTOMOTIVE	2
	E204	Karene	Nowak	SENIOR DATA SCIENTIST	AUTOMOTIVE	5
	E428	Pete	Allen	MANAGER	AUTOMOTIVE	4
	E532	Claire	Brennan	ASSOCIATE DATA SCIENTIST	AUTOMOTIVE	1
	E005	Eric	Hoffman	LEAD DATA SCIENTIST	FINANCE	3
	E103	Emily	Grove	MANAGER	FINANCE	4
	E403	Steve	Hoffman	ASSOCIATE DATA SCIENTIST	FINANCE	3
	E052	Dianna	Wilson	SENIOR DATA SCIENTIST	HEALTHCARE	5

Result 11 ×

→ Query to calculate the minimum and the maximum salary of the employees in each role.
Take data from the employee record table.

```

43      -- Q9. Write a query to calculate the minimum and the maximum salary of the employees in each role.
44 •   select role, min(salary), max(salary) from emp_record_table
45     group by role;
46

```

	role	min(salary)	max(salary)
▶	PRESIDENT	16500	16500
	LEAD DATA SCIENTIST	8500	9000
	SENIOR DATA SCIENTIST	5500	7700
	MANAGER	8500	11000
	ASSOCIATE DATA SCIENTIST	4000	5000
	JUNIOR DATA SCIENTIST	2800	3000

→ Query to assign ranks to each employee based on their experience. Take data from the employee record table.

```

47      -- Q10. Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.
48 •   select *, rank() over (order by exp desc) as rnk
49     from emp_record_table;
50
51

```

	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID	rnk
▶	E001	Arthur	Black	M	PRESIDENT	ALL	20	USA	NORTH AMERICA	16500	5	NULL	NULL	1
	E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	NULL	2
	E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	NULL	3
	E428	Pete	Allen	M	MANAGER	AUTOMOTIVE	14	GERMANY	EUROPE	11000	4	E001	NULL	3
	E583	Janet	Hale	F	MANAGER	RETAIL	14	COLOMBIA	SOUTH AMERICA	10000	2	E001	NULL	3
	E612	Tracy	Norris	F	MANAGER	RETAIL	13	INDIA	ASIA	8500	4	E001	NULL	6
	E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	9000	2	E428	P204	7
	E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105	8
	E057	Dorothy	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	9	USA	NORTH AMERICA	7700	1	E083	P302	9
	E204	Karene	Nowak	F	SENIOR DATA SCIENTIST	AUTOMOTIVE	8	GERMANY	EUROPE	7500	5	E428	P204	10
	E260	Roy	Collins	M	SENIOR DATA SCIENTIST	RETAIL	7	INDIA	ASIA	7000	3	E583	NA	11
	E052	Dianna	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	6	CANADA	NORTH AMERICA	5500	5	E083	P103	12
	E245	Nian	Zhen	M	SENIOR DATA SCIENTIST	RETAIL	6	CHINA	ASIA	6500	2	E583	P109	12
	E505	Chad	Wilson	M	ASSOCIATE DATA SCIENTIST	HEALTHCARE	5	CANADA	NORTH AMERICA	5000	2	E083	P103	14

Result 13 X

Output

Action Output

#	Time	Action	Message
580	11:58:42	select role, min(salary), max(salary) from emp_record_table group by role LIMIT 0, 1000	6 row(s) returned
581	12:01:59	select *, rank() over (order by exp desc) as rnk from emp_record_table	19 row(s) returned

→ 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.

```
51      -- Q11. Write a query to create a view that displays employees
52 •  ↗ create view emp_country as (select * from emp_record_table
53      where salary > 6000);
```

→ Nested query to find employees with experience of more than ten years. Take data from the employee record table.

```
56      -- Q12. Write a nested query to find employees with experience of more than ten years. Take data from the employee record table.
57 •  select * from emp_record_table where emp_id in
58      (select emp_id from emp_record_table where exp > 10);
59
```

Result Grid														
	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID	
▶	E001	Arthur	Black	M	PRESIDENT	ALL	20	USA	NORTH AMERICA	16500	5	NULL	NULL	
	E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105	
	E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	9000	2	E428	P204	
	E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	NULL	
	E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	NULL	
	E428	Pete	Allen	M	MANAGER	AUTOMOTIVE	14	GERMANY	EUROPE	11000	4	E001	NULL	
	E583	Janet	Hale	F	MANAGER	RETAIL	14	COLOMBIA	SOUTH AMERICA	10000	2	E001	NULL	
	E612	Tracy	Norris	F	MANAGER	RETAIL	13	INDIA	ASIA	8500	4	E001	NULL	

→ 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.

Screenshot of a MySQL Workbench interface showing the 'employee' schema.

Schema Tree:

- Tables:
 - data_science_team
- Columns:
 - EMP_ID
 - FIRST_NAME
 - LAST_NAME
 - GENDER
 - ROLE
 - DEPT
 - EXP
 - COUNTRY
 - CONTINENT
- Indexes
- Foreign Keys
- Triggers
- Views
- Stored Procedures:
 - emp_record_table
 - proj_table
 - emp_exp

Information: Administration, Schemas

Schema: employee

Result Grid:

EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID
E001	Arthur	Black	M	PRESIDENT	ALL	20	USA	NORTH AMERICA	16500	5	NULL	NULL
E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105
E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	9000	2	E428	P204
E052	Dianna	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	6	CANADA	NORTH AMERICA	5500	5	E083	P103
E057	Dorothy	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	9	USA	NORTH AMERICA	7700	1	E083	P302
E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	NULL
E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	NULL
E204	Karene	Nowak	F	SENIOR DATA SCIENTIST	AUTOMOTIVE	8	GERMANY	EUROPE	7500	5	E428	P204
E245	Nian	Zhen	M	SENIOR DATA SCIENTIST	RETAIL	6	CHINA	ASIA	6500	2	E583	P109
E260	Roy	Collins	M	SENIOR DATA SCIENTIST	RETAIL	7	INDIA	ASIA	7000	3	E583	NA
E403	Steve	Hoffman	M	ASSOCIATE DATA SCIEN...	FINANCE	4	USA	NORTH AMERICA	5000	3	E103	P105
E428	Pete	Allen	M	MANAGER	AUTOMOTIVE	14	GERMANY	EUROPE	11000	4	E001	NULL
E505	Chad	Wilson	M	ASSOCIATE DATA SCIEN...	HEALTHCARE	5	CANADA	NORTH AMERICA	5000	2	E083	P103
E583	Janet	Hale	F	MANAGER	RETAIL	14	COLOMBIA	SOUTH AMERICA	10000	2	E001	NULL
E612	Tracy	Norris	F	MANAGER	RETAIL	13	INDIA	ASIA	8500	4	E001	NULL

Result 1:

Action Output:

#	Time	Action	Message
585	12:17:36	Apply changes to emp_exp	Changes applied
586	12:17:55	call employee.emp_exp()	15 row(s) returned

Object Info, Session

Name: **emp_exp**

DDL:

```

CREATE DEFINER='root'@'localhost' PROCEDURE `emp_exp`()
BEGIN
    select * from emp_record_table
    where exp > 3;
END
  
```

→ Query using **stored procedure** 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'.

Schema: employee

Result 1

EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	title
E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	Lead Data Scientist
E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	Lead Data Scientist
E052	Dianna	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	6	CANADA	NORTH AMERICA	Senior Data Scientist
E057	Dorothy	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	9	USA	NORTH AMERICA	Senior Data Scientist
E204	Karene	Nowak	F	SENIOR DATA SCIENTIST	AUTOMOTIVE	8	GERMANY	EUROPE	Senior Data Scientist
E245	Nian	Zhen	M	SENIOR DATA SCIENTIST	RETAIL	6	CHINA	ASIA	Senior Data Scientist
E260	Roy	Collins	M	SENIOR DATA SCIENTIST	RETAIL	7	INDIA	ASIA	Senior Data Scientist
E403	Steve	Hoffman	M	ASSOCIATE DATA SCIENTIST	FINANCE	4	USA	NORTH AMERICA	Associate Data Scientist
E478	David	Smith	M	ASSOCIATE DATA SCIENTIST	RETAIL	3	COLOMBIA	SOUTH AMERICA	Associate Data Scientist
E505	Chad	Wilson	M	ASSOCIATE DATA SCIENTIST	HEALTHCARE	5	CANADA	NORTH AMERICA	Associate Data Scientist
E532	Claire	Brennan	F	ASSOCIATE DATA SCIENTIST	AUTOMOTIVE	3	GERMANY	EUROPE	Associate Data Scientist
E620	Katrina	Allen	F	JUNIOR DATA SCIENTIST	RETAIL	2	INDIA	ASIA	Junior Data Scientist
E640	Jenifer	Jhones	F	JUNIOR DATA SCIENTIST	RETAIL	1	COLOMBIA	SOUTH AMERICA	Junior Data Scientist

Action History:

#	Time	Action	Message
589	12:27:57	Apply changes to checkjobprofile	No changes detected
590	12:28:09	call employee.checkjobprofile()	13 row(s) returned

Name: checkjobprofile

DDL:

```

1 •    CREATE DEFINER=`root`@`localhost` PROCEDURE `checkjobprofile`() 
2 •      BEGIN
3 •        select *, case
4 •          when exp <= 2 then 'Junior Data Scientist'
5 •          when exp>2 and exp<=5 then "Associate Data Scientist"
6 •          when exp>5 and exp<=10 then "Senior Data Scientist"
7 •          when exp>10 and exp<=12 then "Lead Data Scientist"
8 •          when exp>12 and exp<=16 then "Manager"
9 •          end as title from data_science_team;
10     END

```

→ Creating 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.

```

63 -- Q15. Create an index to improve the cost and performance of the query to find the employee whose FIRST_NAME is 'Eric' in the empl
64 • describe emp_record_table;
65 • alter table emp_record_table modify column first_name varchar(50);
66 • create index id_first_name on emp_record_table (first_name);
67 • show indexes from emp_record_table;
68 • select * from emp_record_table where first_name = 'Eric';
69
70

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	EMP_ID	first_name	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID
▶	E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105

→ Query to calculate the bonus for all the employees, based on their ratings and salaries (Use the formula: 5% of salary * employee rating).

```

71 -- Q16. 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)
72 • select *, (0.05*salary * EMP_RATING) as bonus
73 from emp_record_table;
74

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

EMP_ID	first_name	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID	bonus
E001	Arthur	Black	M	PRESIDENT	ALL	20	USA	NORTH AMERICA	16500	5	HULL	HULL	4125.00
E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105	1275.00
E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	9000	2	E428	P204	900.00
E052	Dianna	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	6	CANADA	NORTH AMERICA	5500	5	E083	P103	1375.00
E057	Dorothy	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	9	USA	NORTH AMERICA	7700	1	E083	P302	385.00
E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	HULL	2375.00
E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	HULL	2100.00
E204	Karene	Nowak	F	SENIOR DATA SCIENTIST	AUTOMOTIVE	8	GERMANY	EUROPE	7500	5	E428	P204	1875.00
E245	Nian	Zhen	M	SENIOR DATA SCIENTIST	RETAIL	6	CHINA	ASIA	6500	2	E583	P109	650.00
E260	Roy	Collins	M	SENIOR DATA SCIENTIST	RETAIL	7	INDIA	ASIA	7000	3	E583	NA	1050.00
E403	Steve	Hoffman	M	ASSOCIATE DATA SCIEN...	FINANCE	4	USA	NORTH AMERICA	5000	3	E103	P105	750.00
E428	Pete	Allen	M	MANAGER	AUTOMOTIVE	14	GERMANY	EUROPE	11000	4	E001	HULL	2200.00
E478	David	Smith	M	ASSOCIATE DATA SCIEN...	RETAIL	3	COLOMBIA	SOUTH AMERICA	4000	4	E583	P109	800.00
E505	Chad	Wilson	M	ASSOCIATE DATA SCIEN...	HEALTHCARE	5	CANADA	NORTH AMERICA	5000	2	E083	P103	500.00
E532	Claire	Brennan	F	ASSOCIATE DATA SCIEN...	AUTOMOTIVE	3	GERMANY	EUROPE	4300	1	E428	P204	215.00
E583	Janet	Hale	F	MANAGER	RETAIL	14	COLOMBIA	SOUTH AMERICA	10000	2	E001	HULL	1000.00
E612	Tracy	Norris	F	MANAGER	RETAIL	13	INDIA	ASIA	8500	4	E001	HULL	1700.00
E620	Katrina	Allen	F	JUNIOR DATA SCIENTIST	RETAIL	2	INDIA	ASIA	3000	1	E612	P406	150.00
E640	Jenifer	Jhones	F	JUNIOR DATA SCIENTIST	RETAIL	1	COLOMBIA	SOUTH AMERICA	2800	4	E612	P406	560.00

Result 20 ×

Output:

Action Output

#	Time	Action	Message
596	12:33:20	select * from emp_record_table where first_name = 'Eric' LIMIT 0, 1000	1 row(s) returned
597	12:41:24	select *. (0.05*salary * EMP_RATING) as bonus from emp_record_table LIMIT 0, 1000	19 row(s) returned

→ Query to calculate the average salary distribution based on the continent and country taking data from the employee record table.

```
75      -- Q17. Write a query to calculate the average salary distribution based
76 •   select continent, country,
77     AVG(salary) AS average_salary
78   From emp_record_table
79   Group by continent, country
80   order by country ASC;
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

	continent	country	average_salary
▶	NORTH AMERICA	CANADA	7000.0000
	ASIA	CHINA	6500.0000
	SOUTH AMERICA	COLOMBIA	5600.0000
	EUROPE	FRANCE	9000.0000
	EUROPE	GERMANY	7600.0000
	ASIA	INDIA	6166.6667
	NORTH AMERICA	USA	9440.0000