



## Navigator:

## SCHEMAS

Filter objects

## employee

## Tables

- data\_science\_team
- emp\_record\_table
- proj\_table

## Views

## Stored Procedures

## Functions

## project\_2

## sakila

## student\_dep

## sys

## task

## data\_science\_team ×

```
1  ###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
2 • show databases;
3 |
```

## SQLAdditions

My Snippets



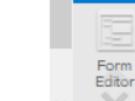
Result Grid | Filter Rows:  Export: Wrap Cell Content:

## Database

- employee
- information\_schema
- mysql
- performance\_schema
- project\_2
- sakila



Result Grid



Form Editor

Read Only

Context Help Snippets

## Administration Schemas

## Information

## Schema: employee

## Result 2 ×

## Output:

## Action Output

#	Time	Action
1	21:38:41	show databases

## Message

9 row(s) returned

## Duration / Fetch

0.000 sec / 0.000 sec



25°C



MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator:

SCHEMAS

Filter objects

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

SQL Additions

My Snippets

1   ###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

2 ● SHOW DATABASES;

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

4   ###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 an

5 ● SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT

6   FROM emp\_record\_table;

7

8

9

10

Administration Schemas

Information:

Schema: employee

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	Karen	Nowak	F	AUTOMOTIVE
	E245	Nian	Zhen	M	RETAIL
	E260	Roy	Collins	M	RETAIL
	E403	Steve	Hoffman	M	FINANCE
	E428	Pete	Allen	M	AUTOMOTIVE
	E478	David	Smith	M	RETAIL
	E505	Chad	Wilson	M	HEALTHCARE
	E532	Claire	Brennan	F	AUTOMOTIVE

Result 6 emp\_record\_table 7 x

Result Grid Form Editor Field Types Query Stats

Read Only Context Help Snippets

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator:

SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

SQL Additions

My Snippets

1. ###1.Create a database named employee, then import data\_science\_team.csv proj\_table.csv and emp\_record\_table.csv into the employee database fr  
2. • \$ Execute the selected portion of the script or everything, if there is no selection  
3. ###2.Create an ER diagram for the given employee database.  
4. ###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  
5. • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT  
6. FROM emp\_record\_table;  
7. ###4. Write a query to fetch EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER, DEPARTMENT, and EMP\_RATING if the EMP\_RATING is:  
8.       ###less than two  
9. • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table  
10. WHERE EMP\_RATING<2;  
11.       ###greater than four  
12. • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table  
13. WHERE EMP\_RATING>4;  
14.       ###between two and four###  
15. • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Stats

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

Information: Schema: employee

emp\_record\_table 11 x Read Only Context Help Snippets

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator:

SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

SQL Additions

My Snippets

1 #####1.Create a database named employee, then import data\_science\_team.csv proj\_table.csv and emp\_record\_table.csv into the employee database fr  
2 • SHOW DATABASES;  
3 #####2.Create an ER diagram for the given employee database.  
4 #####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  
5 • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT  
6 FROM emp\_record\_table;  
7 #####4. Write a query to fetch EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER, DEPARTMENT, and EMP\_RATING if the EMP\_RATING is:  
8       ###less than two  
9 • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table  
10 WHERE EMP\_RATING<2;  
11       ###greater than four  
12 • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table  
13 WHERE EMP\_RATING>4;  
14       ###between two and four###  
15 • SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table

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

Administration Schemas

Information:

Schema: employee

Result Grid

Form Editor

Field Types

Query Stats

emp\_record\_table 12 x

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

SHOW DATABASES;

##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

SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT

FROM emp\_record\_table;

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

##less than two

SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table

WHERE EMP\_RATING<2;

##greater than four

SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table

WHERE EMP\_RATING>4;

##between two and four##

SELECT EMP\_ID, FIRST\_NAME, LAST\_NAME, GENDER,DEPT,EMP\_RATING FROM emp\_record\_table

WHERE EMP\_RATING BETWEEN 2 AND 4;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Stats |

Administration Schemas

Information: Schema: employee

	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
▶	E612	Tracy	Norris	F	RETAIL	4
▶	E640	Jenifer	Jhones	F	RETAIL	4

emp\_record\_table 13 x

Object Info Session Output

Query Completed

SQLAdditions My Snippets

Read Only Context Help Snippets



```
10 WHERE EMP_RATING<2;  
11     ###greater than four  
12 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, GENDER,DEPT,EMP_RATING FROM emp_record_table  
13 WHERE EMP_RATING>4;  
14     ###between two and four###  
15 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, GENDER,DEPT,EMP_RATING FROM emp_record_table  
16 WHERE EMP_RATING BETWEEN 2 AND 4;  
17 #####5. Write a query to concatenate the FIRST_NAME and the LAST_NAME of employees in the Finance department from the employee table and  
18 #####then give the resultant column alias as NAME.  
19 • SELECT CONCAT(FIRST_NAME, ' ', LAST_NAME) AS  
20 NAME FROM emp_record_table  
21 WHERE DEPT = "FINANCE";  
22  
23  
24
```

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

NAME
ErichHoffman
EmilyGrove
SteveHoffman

Result Grid

Form Editor

Field Types

Query Stats

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator:

**SCHEMAS**

Filter objects

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

Limit to 1000 rows

```
11      ###greater than four
12 •  SELECT EMP_ID, FIRST_NAME, LAST_NAME, GENDER,DEPT,EMP_RATING FROM emp_record_table
13 WHERE EMP_RATING>4;
14      ###between two and four###
15 •  SELECT EMP_ID, FIRST_NAME, LAST_NAME, GENDER,DEPT,EMP_RATING FROM emp_record_table
16 WHERE EMP_RATING BETWEEN 2 AND 4;
17      ###5. Write a query to concatenate the FIRST_NAME and the LAST_NAME of employees in the Finance department from the employee table and
18      ###then give the resultant column alias as NAME.
19 •  SELECT CONCAT(FIRST_NAME,' ',LAST_NAME) AS
20 NAME FROM emp_record_table
21 WHERE DEPT = "FINANCE";
22      ### 6. Write a query to list only those employees who have someone reporting to them.
23      ### Also, show the number of reporters (including the President).
24 •  SELECT m.EMP_ID,m.FIRST_NAME,m.LAST_NAME,m.ROLE,
25 m.EXP,COUNT(e.EMP_ID) as "EMP_COUNT"
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Stats

EMP_ID	FIRST_NAME	LAST_NAME	ROLE	EXP	EMP_COUNT
E001	Arthur	Black	PRESIDENT	20	5
E083	Patrick	Voltz	MANAGER	15	3
E103	Emily	Grove	MANAGER	14	2
E428	Pete	Allen	MANAGER	14	3
E583	Janet	Hale	MANAGER	14	3
E612	Tracy	Norris	MANAGER	13	2

Administration Schemas

Information:

Schema: employee

Result 15 x

Read Only Context Help Snippets

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

Limit to 1000 rows

```
26 FROM emp_record_table m
27 INNER JOIN emp_record_table e
28 ON m.EMP_ID = e.MANAGER_ID
29 GROUP BY m.EMP_ID
30 ORDER BY m.EMP_ID;
31 ### 7. Write a query to list down all the employees from the healthcare and finance departments using union.
32 ###Take data from the employee record table.
33 • SELECT EMP_ID,FIRST_NAME,LAST_NAME,DEPT FROM emp_record_table
34 WHERE DEPT = "HEALTHCARE"
35 UNION
36 SELECT EMP_ID,FIRST_NAME,LAST_NAME,DEPT FROM emp_record_table
37 WHERE DEPT = "FINANCE"
38 ORDER BY DEPT,EMP_ID;
39
40
```

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

EMP_ID	FIRST_NAME	LAST_NAME	DEPT
E005	Eric	Hoffman	FINANCE
E103	Emily	Grove	FINANCE
E403	Steve	Hoffman	FINANCE
E052	Dianna	Wilson	HEALTHCARE
E057	Dorothy	Wilson	HEALTHCARE
E083	Patrick	Voltz	HEALTHCARE
E505	Chad	Wilson	HEALTHCARE

Administration Schemas

Information: Schema: employee

Result 16 x

Object Info Session Output

Query Completed

SQLAdditions My Snippets

Result Grid Form Editor Field Types Query Stats

Read Only Context Help Snippets

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

ON m.EMP\_ID = e.MANAGER\_ID  
GROUP BY m.EMP\_ID  
ORDER BY m.EMP\_ID;  
### 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.  
• SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,DEPT FROM emp\_record\_table  
WHERE DEPT = "HEALTHCARE"  
UNION  
SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,DEPT FROM emp\_record\_table  
WHERE DEPT = "FINANCE"  
ORDER BY DEPT,EMP\_ID;  
###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.  
• SELECT m.EMP\_ID,m.FIRST\_NAME,m.LAST\_NAME,m.ROLE,m.DEPT,m.EMP\_RATING,max(m.EMP\_RATING)  
OVER(PARTITION BY m.DEPT)

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Stats | Read Only | Context Help | Snippets

EMP_ID	FIRST_NAME	LAST_NAME	ROLE	DEPT	EMP_RATING	MAX_DEPT_RATING
E010	William	Butler	LEAD DATA SCIENTIST	AUTOMOTIVE	2	5
E204	Karene	Nowak	SENIOR DATA SCIENTIST	AUTOMOTIVE	5	5
E428	Pete	Allen	MANAGER	AUTOMOTIVE	4	5
E532	Claire	Brennan	ASSOCIATE DATA SCIENTIST	AUTOMOTIVE	1	5
E005	Eric	Hoffman	LEAD DATA SCIENTIST	FINANCE	3	4
E103	Emily	Grove	MANAGER	FINANCE	4	4
E403	Steve	Hoffman	ASSOCIATE DATA SCIENTIST	FINANCE	3	4
E052	Dianna	Wilson	SENIOR DATA SCIENTIST	HEALTHCARE	5	5
E057	Dorothy	Wilson	SENIOR DATA SCIENTIST	HEALTHCARE	1	5
E083	Patrick	Voltz	MANAGER	HEALTHCARE	5	5
E505	Chad	Wilson	ASSOCIATE DATA SCIENTIST	HEALTHCARE	2	5
E245	Nian	Zhen	SENIOR DATA SCIENTIST	RETAIL	2	4
E260	Roy	Collins	SENIOR DATA SCIENTIST	RETAIL	3	4
E478	David	Smith	ASSOCIATE DATA SCIENTIST	RETAIL	4	4
E583	Janet	Hale	MANAGER	RETAIL	2	4

Result 17 x

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

Limit to 1000 rows

```
36  SELECT EMP_ID,FIRST_NAME,LAST_NAME,DEPT FROM emp_record_table
37  WHERE DEPT = "FINANCE"
38  ORDER BY DEPT,EMP_ID;
39  ##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.
40  ###Also include the respective employee rating along with the max emp rating for the department.
41 •  SELECT m.EMP_ID,m.FIRST_NAME,m.LAST_NAME,m.ROLE,m.DEPT,m.EMP_RATING,max(m.EMP_RATING)
42  OVER(PARTITION BY m.DEPT)
43  AS "MAX_DEPT_RATING"
44  FROM emp_record_table m
45  ORDER BY DEPT;
46  ### 9. Write a query to calculate the minimum and the maximum salary of the employees in each role.
47  ### Take data from the employee record table.
48 •  SELECT EMP_ID, FIRST_NAME, LAST_NAME, ROLE, MAX(SALARY), MIN(SALARY)
49  FROM emp_record_table
50  WHERE ROLE IN("PRESIDENT","LEAD DATA SCIENTIST","SENIOR DATA SCIENTIST","MANAGER","ASSOCIATE DATA SCIENTIST","JUNIOR DATA SCIENTIST")
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Stats

EMP_ID	FIRST_NAME	LAST_NAME	ROLE	MAX(SALARY)	MIN(SALARY)
E001	Arthur	Black	PRESIDENT	16500	16500
E005	Eric	Hoffman	LEAD DATA SCIENTIST	9000	8500
E052	Dianna	Wilson	SENIOR DATA SCIENTIST	7700	5500
E083	Patrick	Voltz	MANAGER	11000	8500
E403	Steve	Hoffman	ASSOCIATE DATA SCIENTIST	5000	4000
E620	Katrina	Allen	JUNIOR DATA SCIENTIST	3000	2800

Information: Schema: employee

Result 18 x

Object Info Session Output

Query Completed

SQLAdditions My Snippets

Read Only Context Help Snippets

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

Limit to 1000 rows

```
54 RANK() OVER(ORDER BY EXP) EXP_RANK
55 FROM emp_record_table;
56 ### 11. Write a query to create a view that displays employees in various countries whose salary is more than six thousand.
57 ### Take data from the employee record table.
58 • CREATE VIEW employees_in_various_countrie AS
59 SELECT EMP_ID,FIRST_NAME,LAST_NAME,COUNTRY,SALARY
60 FROM emp_record_table
61 WHERE SALARY>6000;
62 • SELECT *FROM employees_in_various_countrie;
63
64
65
66
67
68
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Stats

	EMP_ID	FIRST_NAME	LAST_NAME	COUNTRY	SALARY
▶	E001	Arthur	Black	USA	16500
	E005	Eric	Hoffman	USA	8500
	E010	William	Butler	FRANCE	9000
	E057	Dorothy	Wilson	USA	7700
	E083	Patrick	Voltz	USA	9500
	E103	Emily	Grove	CANADA	10500
	E204	Karene	Nowak	GERMANY	7500
	E245	Nian	Zhen	CHINA	6500
	E260	Roy	Collins	INDIA	7000
	E428	Pete	Allen	GERMANY	11000
	E583	Janet	Hale	COLOMBIA	10000
	E612	Tracy	Norris	INDIA	8500

employees\_in\_various\_countrie... x

Read Only Context Help Snippets

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee Tables: data\_science\_team, emp\_record\_table, proj\_table  
Views, Stored Procedures, Functions  
project\_2, sakila, student\_dep, sys, task

SQL File 2\* x

Limit to 1000 rows

52   ### 10. Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.  
53 •   Execute the selected portion of the script or everything, if there is no selection  
54   SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,EXP,  
55   RANK() OVER(ORDER BY EXP) EXP\_RANK  
56   FROM emp\_record\_table;  
57   ### 11. Write a query to create a view that displays employees in various countries whose salary is more than six thousand.  
58 •   CREATE VIEW employees\_in\_various\_countrie AS  
59   SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,COUNTRY,SALARY  
60   FROM emp\_record\_table  
61   WHERE SALARY>6000;  
62 •   SELECT \*FROM employees\_in\_various\_countrie;  
63   ### 12. Write a nested query to find employees with experience of more than ten years. Take data from the employee record tab  
64 •   SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,EXP FROM emp\_record\_table

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

	EMP_ID	FIRST_NAME	LAST_NAME	EXP
▶	E001	Arthur	Black	20
	E083	Patrick	Voltz	15
	E103	Emily	Grove	14
	E428	Pete	Allen	14
	E583	Janet	Hale	14
	E612	Tracy	Norris	13

Result Grid Form Editor Field Types Query Stats

Information: Schema: employee

emp\_record\_table 21 x

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

Limit to 1000 rows

```
58 • CREATE VIEW employees_in_various_countrie AS
59     SELECT EMP_ID,FIRST_NAME,LAST_NAME,COUNTRY,SALARY
60     FROM emp_record_table
61     WHERE SALARY>6000;
62 • SELECT *FROM employees_in_various_country;
63     ### 12. Write a nested query to find employees with experience of more than ten years. Take data from the employee record tab
64 • SELECT EMP_ID,FIRST_NAME,LAST_NAME,EXP FROM emp_record_table
65     WHERE EMP_ID IN(SELECT manager_id FROM emp_record_table);
66     ### 13. Write a query to create a stored procedure to retrieve the details of the employees whose experience is more than thr
67     ### Take data from the employee record table.
68     DELIMITER &&
69 • CREATE PROCEDURE get_experience_details()
70    BEGIN
```

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

	EMP_ID	FIRST_NAME	LAST_NAME	EXP
▶	E001	Arthur	Black	20
	E005	Eric	Hoffman	11
	E010	William	Butler	12
	E052	Dianna	Wilson	6
	E057	Dorothy	Wilson	9
	E083	Patrick	Voltz	15
	E103	Emily	Grove	14
	E204	Karen	Nowak	8
	E245	Nian	Zhen	6
	E260	Roy	Collins	7
	E403	Steve	Hoffman	4
	E428	Pete	Allen	14
	E505	Chad	Wilson	5
	E583	Janet	Hale	14
	E612	Tracy	Norris	13

Result 22 x

Object Info Session Output

Query Completed

SQLAdditions My Snippets

Result Grid Form Editor Field Types Query Stats

Read Only Context Help Snippets

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
- Stored Procedures
- Functions

project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

91 ELSEIF EXP>10 AND 12 THEN  
92 SET Employee\_ROLE ="LEAD DATA SCIENTIST";  
93 ELSEIF EXP>5 AND 10 THEN  
94 SET Employee\_ROLE ="SENIOR DATA SCIENTIST";  
95 ELSEIF EXP>2 AND 5 THEN  
96 SET Employee\_ROLE ="ASSOCIATE DATA SCIENTIST";  
97 ELSEIF EXP<=2 THEN  
98 SET Employee\_ROLE ="JUNIOR DATA SCIENTIST";  
99 END IF;  
100 RETURN (Employee\_ROLE);  
101 END &&  
102 • SELECT EXP,Employee\_ROLE(EXP)  
103 FROM data\_science\_team;

Administration Schemas

Information:

Schema: employee

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

	EXP	Employee_ROLE(EXP)
11		LEAD DATA SCIENTIST
12		LEAD DATA SCIENTIST
6		SENIOR DATA SCIENTIST
9		SENIOR DATA SCIENTIST
8		SENIOR DATA SCIENTIST
6		SENIOR DATA SCIENTIST
7		SENIOR DATA SCIENTIST
4		ASSOCIATE DATA SCIENTIST
3		ASSOCIATE DATA SCIENTIST
5		ASSOCIATE DATA SCIENTIST
3		ASSOCIATE DATA SCIENTIST
2		JUNIOR DATA SCIENTIST
1		JUNIOR DATA SCIENTIST

Result 23 x Read Only Context Help Snippets

Object Info Session Output

Query Completed

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL File 2\*

SQL Additions My Snippets

SCHEMAS employee

Tables: data\_science\_team, emp\_record\_table, proj\_table

Views

Stored Procedures

Functions

project\_2

sakila

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task

94 SET Employee\_ROLE = "SENIOR DATA SCIENTIST";  
95 ELSEIF EXP>2 AND 5 THEN  
96 SET Employee\_ROLE = "ASSOCIATE DATA SCIENTIST";  
97 ELSEIF EXP<=2 THEN  
98 SET Employee\_ROLE = "JUNIOR DATA SCIENTIST";  
99 END IF;  
100 RETURN (Employee\_ROLE);  
101 END &&  
102 • SELECT EXP,Employee\_ROLE(EXP)  
103 FROM data\_science\_team;  
104 ### 15. Create an index to improve the cost and performance of the query to find the employee whose FIRST\_NAME is 'Eric' in t  
105 CREATE INDEX idx\_first\_name  
106 ON emp\_record\_table(FIRST\_NAME(20));

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

Administration Schemas

Information: Schema: employee

emp\_record\_table 24 x

Object Info Session Output

Query Completed

Result Grid Form Editor Field Types Query Stats

Read Only Context Help Snippets

MySQL Workbench

Local instance MySQL80 x MySQL Model\* x EER Diagram3 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee

- Tables
  - data\_science\_team
  - emp\_record\_table
  - proj\_table
- Views
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project\_2

sakila

student\_dep

sys

task

SQL File 2\* x

107 **SELECT \* FROM emp\_record\_table**  
108 WHERE FIRST\_NAME='Eric';  
109 **## 16. Write a query to calculate the bonus for all the employees, based on their ratings and salaries (Use the formula: 5% update emp\_record\_table set salary=(select salary +(select salary\*.05\*EMP\_RATING))**  
110 **SELECT \*FROM emp\_record\_table;**  
112 **## 17. Write a query to calculate the average salary distribution based on the continent and country.**  
113 **#Take data from the employee record table.**  
114 **SELECT EMP\_ID,FIRST\_NAME,LAST\_NAME,SALARY,COUNTRY,CONTINENT,**  
115 **AVG(salary)OVER(PARTITION BY COUNTRY)AVG\_salary\_IN\_COUNTRY,**  
116 **AVG(salary)OVER(PARTITION BY CONTINENT)AVG\_salary\_IN\_CONTINENT,**  
117 **COUNT(\*)OVER(PARTITION BY COUNTRY)COUNT\_IN\_COUNTRY,**  
118 **COUNT(\*)OVER(PARTITION BY CONTINENT)COUNT\_IN\_CONTINENT**  
119 **FROM emp\_record\_table;**

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

EMP_ID	FIRST_NAME	LAST_NAME	SALARY	COUNTRY	CONTINENT	AVG_salary_IN_COUNTRY	AVG_salary_IN_CONTINENT	COUNT_IN_COUNTRY	COUNT_IN_CONTINENT
E245	Nian	Zhen	6500	CHINA	ASIA	6500.0000	6250.0000	1	4
E260	Roy	Collins	7000	INDIA	ASIA	6166.6667	6250.0000	3	4
E612	Tracy	Norris	8500	INDIA	ASIA	6166.6667	6250.0000	3	4
E620	Katrina	Allen	3000	INDIA	ASIA	6166.6667	6250.0000	3	4
E010	William	Butler	9000	FRANCE	EUROPE	9000.0000	7950.0000	1	4
E204	Karene	Nowak	7500	GERMANY	EUROPE	7600.0000	7950.0000	3	4
E428	Pete	Allen	11000	GERMANY	EUROPE	7600.0000	7950.0000	3	4
E532	Claire	Brennan	4300	GERMANY	EUROPE	7600.0000	7950.0000	3	4
E052	Dianna	Wilson	5500	CANADA	NORTH AMERICA	7000.0000	8525.0000	3	8
E103	Emily	Grove	10500	CANADA	NORTH AMERICA	7000.0000	8525.0000	3	8
E505	Chad	Wilson	5000	CANADA	NORTH AMERICA	7000.0000	8525.0000	3	8
E001	Arthur	Black	16500	USA	NORTH AMERICA	9440.0000	8525.0000	5	8
E005	Eric	Hoffman	8500	USA	NORTH AMERICA	9440.0000	8525.0000	5	8
E057	Dorothy	Wilson	7700	USA	NORTH AMERICA	9440.0000	8525.0000	5	8
E083	Patrick	Voltz	9500	USA	NORTH AMERICA	9440.0000	8525.0000	5	8

Result 25 x

Object Info Session Output

Query Completed

SQLAdditions My Snippets

Result Grid Form Editor Field Types Query Stats

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