

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- Retrieve all employees whose address is in Elgin,IL

2

3

• SELECT F_NAME , L_NAME

4

FROM EMPLOYEES

5

WHERE ADDRESS LIKE '%Elgin,IL%';

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	F_NAME	L_NAME
▶	2814	thai_dkn_]
	2818	big_meat_s
	2822	ital_supr_]

EMPLOYEES 7

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:45:36	SELECT F_NAME , L_NAME FROM EMPLOYEES WHERE ADDRESS LIKE "%...	3 row(s) returned	0.000 sec / 0.000 sec

Schema: hr

Object Info

Session

Query Completed

8 31°C Clear

Windows Taskbar Icons

ENG IN

21:45 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- Retrieve all employees who were born during the 1970's.

2

3

• SELECT F_NAME , L_NAME

4

FROM EMPLOYEES

5

WHERE B_DATE LIKE '197%';

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Schema: hr

Tables

departments

employees

jobs

jobshistory

locations

EMPLOYEES 8

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:45:36	SELECT F_NAME , L_NAME FROM EMPLOYEES WHERE ADDRESS LIKE "%...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:47:23	SELECT F_NAME , L_NAME FROM EMPLOYEES WHERE B_DATE LIKE '197...	0 row(s) returned	0.000 sec / 0.000 sec

Query Completed

8 31°C Clear

Windows Taskbar Icons

21:47 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- Retrieve all employees in department 5 whose salary is between 60000 and 70000.

2

3

SELECT *

4

FROM EMPLOYEES

5

WHERE (SALARY BETWEEN 60000 AND 70000) AND DEP_ID = 5;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	emp_id	f_name	l_name	ssn	b_date	sex	address	job_id	salary	manager_id	dep_id
	6371	2816	bbq_chn_J	1	20-07-1985	M	511 Aurora Av, Aurora,IL	400	60000	30004	5
	6382	2822	ital_supr_J	1	30-03-1982	F	111 Britany Springs,Elgin,IL	220	70000	30004	5

EMPLOYEES 9

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:45:36	SELECT F_NAME , L_NAME FROM EMPLOYEES WHERE ADDRESS LIKE "%...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:47:23	SELECT F_NAME , L_NAME FROM EMPLOYEES WHERE B_DATE LIKE '197...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 3	21:47:46	SELECT * FROM EMPLOYEES WHERE (SALARY BETWEEN 60000 AND 700...	2 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

8 31°C Clear

Windows Taskbar Icons

System Tray

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTableQueryViewRefreshLimit to 1000 rows

Limit to 1000 rows

SQL File 3*

-- Retrieve a list of employees ordered by department ID.

SELECT F_NAME, L_NAME, DEP_ID

FROM EMPLOYEES

ORDER BY DEP_ID;

Navigator

SCHEMAS

Filter objects

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Information

Schema: hr

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

	F_NAME	L_NAME	DEP_ID
▶	2813	the_greek_l	2
	2817	green_garden_s	2
	2818	big_meat_s	2
	2814	thai_dkn_l	5
	2815	classic_dlx_l	5

EMPLOYEES 11

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:45:36	SELECT F_NAME, L_NAME FROM EMPLOYEES WHERE ADDRESS LIKE "%...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:47:23	SELECT F_NAME, L_NAME FROM EMPLOYEES WHERE B_DATE LIKE '197...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 3	21:47:46	SELECT * FROM EMPLOYEES WHERE (SALARY BETWEEN 60000 AND 700...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 4	21:48:10	SELECT F_NAME, L_NAME FROM EMPLOYEES WHERE B_DATE LIKE '197...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 5	21:48:32	SELECT F_NAME, L_NAME, DEP_ID FROM EMPLOYEES ORDER BY DEP_I...	10 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

8 31°C Clear

Windows Taskbar Icons

System Tray

21:48 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseSchemaQueryHistoryRecent

Navigator

SCHEMAS

Filter objects

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Information

Schema: hr

SQL File 3*

Limit to 1000 rows

1-- Retrieve a list of employees ordered in descending order by department ID and within each department ordered alphabetically

2-- in descending order by last name.

3

4SELECT F_NAME, L_NAME, DEP_ID

5FROM EMPLOYEES

6ORDER BY DEP_ID DESC, L_NAME DESC.

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	F_NAME	L_NAME	DEP_ID
▶	2818	peppr_salami_	7
	2820	napolitana_	7
	2819	hawaiian_	7
	2814	thai_dkn_	5
	2822	ital_supr_	5

EMPLOYEES 12

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:45:36	SELECT F_NAME, L_NAME FROM EMPLOYEES WHERE ADDRESS LIKE "%...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:47:23	SELECT F_NAME, L_NAME FROM EMPLOYEES WHERE B_DATE LIKE '197...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 3	21:47:46	SELECT * FROM EMPLOYEES WHERE (SALARY BETWEEN 60000 AND 700...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 4	21:48:10	SELECT F_NAME, L_NAME FROM EMPLOYEES WHERE B_DATE LIKE '197...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 5	21:48:32	SELECT F_NAME, L_NAME, DEP_ID FROM EMPLOYEES ORDER BY DEP_I...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 6	21:49:38	SELECT F_NAME, L_NAME, DEP_ID FROM EMPLOYEES ORDER BY DEP_I...	10 row(s) returned	0.031 sec / 0.000 sec

Object Info

Session

Query Completed

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Windows Taskbar Icons

System Tray

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- For each department ID retrieve the number of employees in the department.

2

3

• SELECT DEP_ID, COUNT(*)

4

FROM EMPLOYEES

5

GROUP BY DEP_ID;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	DEP_ID	COUNT(*)
▶	2	3
	5	4
	7	3

Result 13

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:50:03	SELECT DEP_ID, COUNT(*) FROM EMPLOYEES GROUP BY DEP_ID LIMIT ...	3 row(s) returned	0.016 sec / 0.000 sec

Object Info

Session

Query Completed

8 31°C Clear

99+

ENG IN

21:50 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- For each department retrieve the number of employees in the department, and the average employee salary in the department.

2

3

• SELECT DEP_ID, COUNT(*), AVG(SALARY)

4

FROM EMPLOYEES

5

GROUP BY DEP_ID;

Navigation

SCHEMAS

Filter objects

hr

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AdministrationSchemas

Information

Schema: hr

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	DEP_ID	COUNT(*)	AVG(SALARY)
▶	2	3	86666.6667
	5	4	65000.0000
	7	3	66666.6667

Result 14

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:50:03	SELECT DEP_ID, COUNT(*) FROM EMPLOYEES GROUP BY DEP_ID LIMIT ...	3 row(s) returned	0.016 sec / 0.000 sec
✓ 2	21:50:32	SELECT DEP_ID, COUNT(*), AVG(SALARY) FROM EMPLOYEES GROUP BY ...	3 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

8 31°C Clear

Windows Taskbar Icons

ENG IN 21:50 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- Label the computed columns in the result prev problem as NUM_EMPLOYEES and AVG_SALARY.

2

3

• SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AVG_SALARY"

4

FROM EMPLOYEES

5

GROUP BY DEP_ID;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	DEP_ID	NUM_EMPLOYEES	AVG_SALARY
▶	2	3	86666.6667
	5	4	65000.0000
	7	3	66666.6667

Result 15

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:50:03	SELECT DEP_ID, COUNT(*) FROM EMPLOYEES GROUP BY DEP_ID LIMIT ...	3 row(s) returned	0.016 sec / 0.000 sec
✓ 2	21:50:32	SELECT DEP_ID, COUNT(*), AVG(SALARY) FROM EMPLOYEES GROUP BY ...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 3	21:51:56	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

8 31°C Clear

99+

ENG IN

21:51 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

File Edit View Query Database Server Tools Scripting Help

SQL File 3*

Limit to 1000 rows

```
1 -- In prev problem, order the result set by Average Salary.
2 SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AVG_SALARY"
3 FROM EMPLOYEES
4 GROUP BY DEP_ID
5 ORDER BY AVG_SALARY;
```

SCHEMAS

Filter objects

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Information

Schema: hr

Object Info Session

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

	DEP_ID	NUM_EMPLOYEES	AVG_SALARY
▶	5	4	65000.0000
	7	3	66666.6667
	2	3	86666.6667

Result 17

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:53:01	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec

Query Completed

8 31°C Clear

Windows Taskbar Icons

ENG IN

21:53 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

```
1 -- In prev problem, limit the result to departments with fewer than 4 employees.
2 • SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AVG_SALARY"
3 FROM EMPLOYEES
4 GROUP BY DEP_ID
5 HAVING count(*) < 4
6 ORDER BY AVG_SALARY;
```

Navigation

SCHEMAS

Filter objects

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Schema: hr

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	DEP_ID	NUM_EMPLOYEES	AVG_SALARY
▶	7	3	66666.6667
	2	3	86666.6667

Result 18

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:53:01	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:53:48	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	2 row(s) returned	0.016 sec / 0.000 sec

Object InfoSession

Query Completed

8 31°C Clear

99+

ENG IN

21:53 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTableQueryExecutionRefreshLimit to 1000 rowsStarSaveFindPrint

SQLFileDatabaseTableQueryExecutionRefreshLimit to 1000 rowsStarSaveFindPrint

Navigator

SCHEMAS

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Schema: hr

Object InfoSession

SQL File 3*

Limit to 1000 rowsStarSaveFindPrint

1-- Execute a query using a sub-select to retrieve all employees records whose salary is lower than the average salary.

2select EMP_ID, F_NAME, L_NAME, SALARY

3from EMPLOYEES

4where SALARY < (select AVG(SALARY)

5from EMPLOYEES);

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	EMP_ID	F_NAME	L_NAME	SALARY
▶	6369	2815	classic_dlx_	50000
	6371	2816	bbq_dkn_	60000
	6373	2817	green_garden_s	70000
	6377	2818	peppr_salami_	65000
	6378	2819	hawaiian_	65000

EMPLOYEES 19

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:53:01	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:53:48	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	2 row(s) returned	0.016 sec / 0.000 sec
✓ 3	21:58:20	select EMP_ID, F_NAME, L_NAME, SALARY from EMPLOYEES where SALA...	7 row(s) returned	0.031 sec / 0.000 sec

Query Completed

29°C

Clear

WindowsTaskbarIcons

99+

Google

Firefox

MySQL Workbench

ENG

IN

21:58

24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- Execute a Column Expression that retrieves all employees records with EMP_ID, SALARY and maximum salary as MAX_SALARY in every row.

2

• select EMP_ID, SALARY, (select MAX(SALARY) from EMPLOYEES) AS MAX_SALARY

3

from EMPLOYEES;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	EMP_ID	SALARY	MAX_SALARY
▶	6365	100000	100000
	6367	80000	100000
	6369	50000	100000
	6371	60000	100000
	6373	70000	100000

Result 20

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:53:01	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:53:48	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	2 row(s) returned	0.016 sec / 0.000 sec
✓ 3	21:58:20	select EMP_ID, F_NAME, L_NAME, SALARY from EMPLOYEES where SALA...	7 row(s) returned	0.031 sec / 0.000 sec
✓ 4	21:58:43	select EMP_ID, SALARY, (select MAX(SALARY) from EMPLOYEES) AS MAX_...	10 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

29°C
Clear

Windows Taskbar Icons

System Tray

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

-- Execute a Table Expression for the EMPLOYEES table that excludes columns with sensitive employee data (i.e. does not include columns

select * from (select EMP_ID, F_NAME, L_NAME, DEP_ID from EMPLOYEES) AS EMP4ALL;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	EMP_ID	F_NAME	L_NAME	DEP_ID
▶	6365	2813	the_greek_l	2
	6367	2814	thai_dkn_l	5
	6369	2815	classic_dlx_l	5
	6371	2816	bbq_dkn_l	5
	6373	2817	green_garden_s	2

Result 21

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:53:01	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:53:48	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	2 row(s) returned	0.016 sec / 0.000 sec
✓ 3	21:58:20	select EMP_ID, F_NAME, L_NAME, SALARY		0.031 sec / 0.000 sec
✓ 4	21:58:43	select EMP_ID, SALARY, (select MAX(SALAR		0.000 sec / 0.000 sec
✓ 5	21:59:01	select * from (select EMP_ID, F_NAME, L_NA		0.000 sec / 0.000 sec

Navigation

SCHEMAS

Filter objects

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Information

Schema: hr

Query Completed

Air: Severe Tomorrow

Windows Taskbar

System Tray

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

-- Retrieve only the EMPLOYEES records that correspond to jobs in the JOBS table.
select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS);

Result Grid

	emp_id	f_name	l_name	ssn	b_date	sex	address	job_id	salary	manager_id	dep_id
▶	6365	2813	the_greek_J	1	01-09-1976	M	5631 Rice, OakPark,IL	100	100000	30001	2
	6367	2814	thai_chn_J	1	31-07-1972	F	980 Berry Ln, Elgin,IL	200	80000	30002	5
	6369	2815	classic_dlx_J	1	08-10-1980	M	291 Springs, Gary,IL	300	50000	30002	5
	6371	2816	bbq_chn_J	1	20-07-1985	M	511 Aurora Av, Aurora,IL	400	60000	30004	5
	6373	2817	green_garden_s	1	01-04-1981	M	216 Oak Tree, Geneva,IL	500	70000	30001	2

EMPLOYEES 22

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	21:53:01	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	3 row(s) returned	0.000 sec / 0.000 sec
✓ 2	21:53:48	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AV...	2 row(s) returned	0.016 sec / 0.000 sec
✓ 3	21:58:20	select EMP_ID, F_NAME, L_NAME, SALARY from EMPLOYEES where SALA...	7 row(s) returned	0.031 sec / 0.000 sec
✓ 4	21:58:43	select EMP_ID, SALARY, (select MAX(SALARY) from EMPLOYEES) AS MAX_...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 5	21:59:01	select * from (select EMP_ID, F_NAME, L_NAME, DEP_ID from EMPLOYEES) ...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 6	22:00:09	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS) LI...	10 row(s) returned	0.000 sec / 0.000 sec

Schema: hr

Object InfoSession

Query Completed

Air: Severe Tomorrow

Windows Taskbar

System Tray

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTools

Limit to 1000 rows

1

-- Retrieve only the list of employees whose JOB_TITLE is Jr. Designer.

2

3

• select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS where JOB_TITLE= 'Jr. Designer');

SCHEMAS

Filter objects

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Schema: hr

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	emp_id	f_name	l_name	ssn	b_date	sex	address	job_id	salary	manager_id	dep_id
▶	6377	2818	peppr_salami_J	1	05-05-1975	F	100 Rose Pl, Gary,IL	650	65000	30003	7
	6378	2819	hawaiian_J	1	05-06-1985	M	145 Berry Ln, Naperville,IL	660	65000	30003	7

Result Grid

EMPLOYEES 23

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 2	21:53:48	SELECT DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "A...	2 row(s) returned	0.016 sec / 0.000 sec
✓ 3	21:58:20	select EMP_ID, F_NAME, L_NAME, SALARY from EMPLOYEES where SAL...	7 row(s) returned	0.031 sec / 0.000 sec
✓ 4	21:58:43	select EMP_ID, SALARY, (select MAX(SALARY) from EMPLOYEES) AS MA...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 5	21:59:01	select * from (select EMP_ID, F_NAME, L_NAME, DEP_ID from EMPLOYEE...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 6	22:00:09	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS) ...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 7	22:00:26	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS ...	2 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

Air: Severe Tomorrow

Windows Taskbar

System Tray

Windows Taskbar

System Tray

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 3*

Limit to 1000 rows

1

-- Retrieve JOB information and who earn more than \$70,000.

2

3

• select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS where JOB_IDENT IN (select JOB_ID from EMPLOYEES where SALARY > 70000);

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	JOB_TITLE	MIN_SALARY	MAX_SALARY	JOB_IDENT
▶	Sr. Architect	60000	100000	100
	Sr.Software Developer	60000	80000	200
	Sr.Software Developer	60000	80000	200
	Lead Architect	70000	100000	600

JOBS 24

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 3	21:58:20	select EMP_ID, F_NAME, L_NAME, SALARY from EMPLOYEES where SAL...	7 row(s) returned	0.031 sec / 0.000 sec
✓ 4	21:58:43	select EMP_ID, SALARY, (select MAX(SALARY) from EMPLOYEES) AS MA...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 5	21:59:01	select * from (select EMP_ID, F_NAME, L_NAME, DEP_ID from EMPLOYEE...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 6	22:00:09	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS) ...	10 row(s) returned	0.000 sec / 0.000 sec
✓ 7	22:00:26	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS ...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 8	22:00:40	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	4 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Air: Severe Tomorrow

Windows Taskbar Icons

99+

ENG IN

22:00 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTools

Limit to 1000 rows

1-- Retrieve JOB information and list of employees whose birth year is after 1976.
2
3select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS where JOB_IDENT IN (select JOB_ID from EMPLOYEES where YEAR(B_DATE)>1976);
4

Navigator

SCHEMAS

Filter objects

hr

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AdministrationSchemas

Information

Schema: hr

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

JOB_TITLE	MIN_SALARY	MAX_SALARY	JOB_IDENT
-----------	------------	------------	-----------

JOBS 25

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	21:58:43	select EMP_ID, SALARY, (select MAX(SALARY) from EMPLOYEES) AS MA...	10 row(s) returned	0.000 sec / 0.000 sec
5	21:59:01	select * from (select EMP_ID, F_NAME, L_NAME, DEP_ID from EMPLOYEE...	10 row(s) returned	0.000 sec / 0.000 sec
6	22:00:09	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS) ...	10 row(s) returned	0.000 sec / 0.000 sec
7	22:00:26	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS ...	2 row(s) returned	0.000 sec / 0.000 sec
8	22:00:40	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	4 row(s) returned	0.000 sec / 0.000 sec
9	22:01:28	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

Air: Severe Tomorrow

Windows Taskbar

99+

ENG IN

22:01 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTableQueryExecutionExportLimit to 1000 rows

1-- Perform an implicit cartesian/cross join between EMPLOYEES and JOBS tables.
2select * from EMPLOYEES, JOBS;

Result Grid

	emp_id	f_name	l_name	ssn	b_date	sex	address	job_id	salary	manager_id	dep_id	job_ident	job_title	min_salary
	6382	2822	ital_supr_J	1	30-03-1982	F	111 Britany Springs,Elgin,IL	220	70000	30004	5	100	Sr. Architect	60000
	6380	2820	napolitana_J	1	07-09-1990	F	120 Fall Creek, Gary,IL	234	70000	30003	7	100	Sr. Architect	60000
	6378	2819	hawaiian_J	1	05-06-1985	M	145 Berry Ln, Naperville,IL	660	65000	30003	7	100	Sr. Architect	60000
	6377	2818	peppr_salami_J	1	05-05-1975	F	100 Rose Pl, Gary,IL	650	65000	30003	7	100	Sr. Architect	60000

Result 27

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	22:00:09	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS) ...	10 row(s) returned	0.000 sec / 0.000 sec
7	22:00:26	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS) ...	2 row(s) returned	0.000 sec / 0.000 sec
8	22:00:40	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	4 row(s) returned	0.000 sec / 0.000 sec
9	22:01:28	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
10	22:01:45	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
11	22:02:02	select * from EMPLOYEES, JOBS LIMIT 0, 1000	190 row(s) returned	0.000 sec / 0.000 sec

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Schema: hr

Query Completed

8 Upcoming Earnings

Windows Search Task View Edge File Explorer Mail 99+ Chrome Firefox MySQL Workbench

ENG IN

22:02 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileNewOpenSaveUndoRedoLimit to 1000 rows

1-- Retrieve only the EMPLOYEES records that correspond to jobs in the JOBS table.
2
3 • select * from EMPLOYEES, JOBS where EMPLOYEES.JOB_ID = JOBS.JOB_IDENT;

Navigator

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Result Grid

Filter Rows:

Export:Wrap Cell Content:

	emp_id	f_name	l_name	ssn	b_date	sex	address	job_id	salary	manager_id	dep_id	job_ident	job_title	m
▶	6365	2813	the_greek_J	1	01-09-1976	M	5631 Rice, OakPark,IL	100	100000	30001	2	100	Sr. Architect	6C
	6367	2814	thai_dkn_J	1	31-07-1972	F	980 Berry Ln, Elgin,IL	200	80000	30002	5	200	Sr. Software Developer	6C
	6367	2814	thai_dkn_J	1	31-07-1972	F	980 Berry Ln, Elgin,IL	200	80000	30002	5	200	Sr. Software Developer	6C
	6369	2815	classic_dlx_J	1	08-10-1980	M	291 Springs, Gary,IL	300	50000	30002	5	300	Jr. Software Developer	4C

Result 28 xRead Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 7	22:00:26	select * from EMPLOYEES where JOB_ID IN (select JOB_IDENT from JOBS ...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 8	22:00:40	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	4 row(s) returned	0.000 sec / 0.000 sec
✓ 9	22:01:28	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 10	22:01:45	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 11	22:02:02	select * from EMPLOYEES, JOBS LIMIT 0, 1000	190 row(s) returned	0.000 sec / 0.000 sec
✓ 12	22:02:18	select * from EMPLOYEES, JOBS where EMPLOYEES.JOB_ID = JOBS JOB_I...	15 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

8 Upcoming Earnings

Windows Taskbar Icons

System Tray

22:02 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTableQueryHistory

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SQL File 3*

Limit to 1000 rows

1-- Redo the previous query, using shorter aliases for table names.

2

3•select * from EMPLOYEES E, JOBS J where E.JOB_ID = J.JOB_IDENT;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	emp_id	f_name	l_name	ssn	b_date	sex	address	job_id	salary	manager_id	dep_id	job_ident	job_title	m
▶	6365	2813	the_greek_J	1	01-09-1976	M	5631 Rice, OakPark,IL	100	100000	30001	2	100	Sr. Architect	6C
	6367	2814	thai_dkn_J	1	31-07-1972	F	980 Berry Ln, Elgin,IL	200	80000	30002	5	200	Sr. Software Developer	6C
	6367	2814	thai_dkn_J	1	31-07-1972	F	980 Berry Ln, Elgin,IL	200	80000	30002	5	200	Sr. Software Developer	6C
	6369	2815	classic_dlx_J	1	08-10-1980	M	291 Springs, Gary,IL	300	50000	30002	5	300	Jr. Software Developer	4C

Result 29

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 8	22:00:40	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	4 row(s) returned	0.000 sec / 0.000 sec
✓ 9	22:01:28	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 10	22:01:45	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 11	22:02:02	select * from EMPLOYEES, JOBS LIMIT 0, 1000	190 row(s) returned	0.000 sec / 0.000 sec
✓ 12	22:02:18	select * from EMPLOYEES, JOBS where EMPLOYEES.JOB_ID = JOBS.JOB_I...	15 row(s) returned	0.000 sec / 0.000 sec
✓ 13	22:02:37	select * from EMPLOYEES E, JOBS J where E.JOB_ID = J.JOB_IDENT LIMIT...	15 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

8 Upcoming Earnings

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22:02 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTableQueryExecutionExportLimit to 1000 rowsStarFilterFindPrintRefresh

SQL File 3* x

1-- Redo the previous query, but retrieve only the Employee ID, Employee Name and Job Title.

2

3•select EMP_ID,F_NAME,L_NAME, JOB_TITLE from EMPLOYEES E, JOBS J where E.JOB_ID = J.JOB_IDENT;

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Schema: hr

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

	EMP_ID	F_NAME	L_NAME	JOB_TITLE
▶	6365	2813	the_greek_j	Sr. Architect
	6367	2814	thai_dkn_j	Sr. Software Developer
	6367	2814	thai_dkn_j	Sr. Software Developer
	6369	2815	classic_dlx_j	Jr. Software Developer
	6369	2815	classic_dlx_j	Jr. Software Developer

Result 30 xRead Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 9	22:01:28	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 10	22:01:45	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 11	22:02:02	select * from EMPLOYEES, JOBS LIMIT 0, 1000	190 row(s) returned	0.000 sec / 0.000 sec
✓ 12	22:02:18	select * from EMPLOYEES, JOBS where EMPLOYEES.JOB_ID = JOBS.JOB_I...	15 row(s) returned	0.000 sec / 0.000 sec
✓ 13	22:02:37	select * from EMPLOYEES E, JOBS J where E.JOB_ID = J.JOB_IDENT LIMIT...	15 row(s) returned	0.000 sec / 0.000 sec
✓ 14	22:02:50	select EMP_ID,F_NAME,L_NAME, JOB_TITLE from EMPLOYEES E, JOBS J ...	15 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Query Completed

8 Upcoming Earnings

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ENG IN

22:02 24-04-2025

MySQL Workbench

Local instance MySQL80 - W...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQLFileDatabaseTableQueryResultGridExportLimit to 1000 rows

-- Redo the previous query, but specify the fully qualified column names with aliases in the SELECT clause.

select E.EMP_ID,E.F_NAME,E.L_NAME, J.JOB_TITLE from EMPLOYEES E, JOBS J where E.JOB_ID = J.JOB_IDENT;

Result Grid

	EMP_ID	F_NAME	L_NAME	JOB_TITLE
▶	6365	2813	the_greek_j	Sr. Architect
	6367	2814	thai_dkn_j	Sr. Software Developer
	6367	2814	thai_dkn_j	Sr. Software Developer
	6369	2815	classic_dlx_j	Jr. Software Developer
	6369	2815	classic_dlx_j	Jr. Software Developer

Result 31

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	22:01:45	select JOB_TITLE, MIN_SALARY,MAX_SALARY,JOB_IDENT from JOBS wh...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 11	22:02:02	select * from EMPLOYEES, JOBS LIMIT 0, 1000	190 row(s) returned	0.000 sec / 0.000 sec
✓ 12	22:02:18	select * from EMPLOYEES, JOBS where EMPLOYEES.JOB_ID = JOBS.JOB_I...	15 row(s) returned	0.000 sec / 0.000 sec
✓ 13	22:02:37	select * from EMPLOYEES E, JOBS J where E.JOB_ID = J.JOB_IDENT LIMIT...	15 row(s) returned	0.000 sec / 0.000 sec
✓ 14	22:02:50	select EMP_ID,F_NAME,I_NAME, JOB_TITLE from EMPLOYEES E, JOBS J ...	15 row(s) returned	0.000 sec / 0.000 sec
✓ 15	22:03:05	select E.EMP_ID,E.F_NAME,E.L_NAME, J.JOB_TITLE from EMPLOYEES E, ...	15 row(s) returned	0.000 sec / 0.000 sec

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ENG IN22:0324-04-2025