

MySQL Workbench

Local instance MySQL80 x

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Information

No object selected

Object Info Session

33°C Partly sunny

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

SQL Task 3\*

```
51
52
53 -- 10
54 select department, avg(salary) from employee group by department having avg(salary);
55
56 -- 11
57 select department, count(department) from Employee group by department having count(department);
58
59 -- 12
60 select department, max(salary) from employee group by department;
61
62 -- 13
63 select year(hire_date) as hire_year, sum(salary) from employee group by hire_year having sum(salary);
64
```

Result Grid

hire_year	sum(salary)
2018	128000
2019	183000
2020	123000
2017	121000
2021	102000
2016	88000
2022	100000
2015	67000

Result 30 x

Output

Action Output

Message

Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains nonaggregated colu...

Duration / Fetch

0.016 sec

0.000 sec / 0.000 sec

15:08 08-05-2025

MySQL Workbench

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No object selected

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Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

SQL Task 3\*

```
48
49 -- 9
50 select department, sum(salary) from Employee group by department having sum(salary);
51
52
53 -- 10
54 select department, avg(salary) from employee group by department having avg(salary);
55
56 -- 11
57 select department, count(department) from Employee group by department having count(department);
58
59 -- 12
60 select department, max(salary) from employee group by department;
61
```

Result Grid

department	max(salary)
Engineering	88000
HR	61000
Sales	67000
Marketing	66000

Result 26 x

Output

Action Output

Message

4 rows returned

Duration / Fetch

0.000 sec / 0.000 sec

0.000 sec / 0.000 sec

14:44 08-05-2025

MySQL Workbench

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Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```
45
46 -- 8
47 • select * from Employee order by salary ASC;
48
49 -- 9
50 • select department, sum(salary) from Employee group by department having sum(salary);
51
52 -- 10
53 • select department, avg(salary) from employee group by department having avg(salary);
54
55 -- 11
56 • select department, count(department) from Employee group by department having count(department);
57
58
```

Result Grid

department	count(department)
Engineering	5
HR	4
Sales	3
Marketing	3

Output

Action Output

#	Time	Action	Message	Duration / Fetch
95	14:41:24	select department, count(department) from Employee group by department LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
96	14:42:01	select department, count(department) from Employee group by department having count(department) LIMIT 0, ...	4 row(s) returned	0.000 sec / 0.000 sec

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14:42 08-05-2025

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Administration Schemas

Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```
41 • select * from Employee order by first_name ASC;
42
43 -- 7
44 • select * from Employee order by hire_date DESC;
45
46 -- 8
47 • select * from Employee order by salary ASC;
48
49 -- 9
50 • select department, sum(salary) from Employee group by department having sum(salary);
51
52 -- 10
53 • select department, avg(salary) from employee group by department having avg(salary);
54
```

Result Grid

department	avg(salary)
Engineering	71200.0000
HR	57000.0000
Sales	54666.6667
Marketing	54666.6667

Output

Action Output

#	Time	Action	Message	Duration / Fetch
89	14:34:55	select department, avg(salary) from employee group by department having avg(salary) LIMIT 0, 1000	Error Code: 1054. Unknown column 'department' in 'group statement'	0.000 sec
90	14:35:10	select department, avg(salary) from employee group by department having avg(salary) LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

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14:35 08-05-2025

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No object selected

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Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```

38 • select department from Employee group by department having avg(salary)<5000;
39
40 -- 6
41 • select * from Employee order by first_name ASC;
42
43 -- 7
44 • select * from Employee order by hire_date DESC;
45
46 -- 8
47 • select * from Employee order by salary ASC;
48
49 -- 9
50 • select department, sum(salary) from Employee group by department having sum(salary)
51

```

Result Grid

department	sum(salary)
Engineering	356000
HR	228000
Sales	164000
Marketing	164000

Output

Action Output

#	Time	Action	Message	Duration / Fetch
87	14:29:36	select * from Employee order by salary ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
88	14:32:40	select department, sum(salary) from Employee group by department having sum(salary) LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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ENG IN

14:32 08-05-2025

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Administration Schemas

Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```

35 • select department from Employee group by department having min(salary)>45000;
36
37 -- 5
38 • select department from Employee group by department having avg(salary)<50000;
39
40 -- 6
41 • select * from Employee order by first_name ASC;
42
43 -- 7
44 • select * from Employee order by hire_date DESC;
45
46 -- 8
47 • select * from Employee order by salary ASC;
48

```

Result Grid

Employee_id	First_Name	Last_Name	Department	Salary	Hire_Date
7	Grace	Thomas	Marketing	45000	2022-02-14
13	Mike	Gardie	Sales	48000	2021-04-11
4	David	Wilson	Sales	49000	2017-05-21
11	Kyle	Martin	Marketing	53000	2018-10-09
5	Eva	Taylor	HR	54000	2021-11-30
14	Nina	Marbez	HR	55000	2022-07-04
2	Bob	Jones	HR	58000	2019-07-15
9	Ian	White	Engineering	59000	2019-12-23
10	Irene	Harris	HR	61000	2019-06-18

Output

Action Output

#	Time	Action	Message	Duration / Fetch
86	14:27:24	select * from Employee order by hire_date DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
87	14:29:36	select * from Employee order by salary ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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Administration Schemas

Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```

32 • select department from Employee group by department having sum(salary)>50000;
33
34 -- 4
35 • select department from Employee group by department having min(salary)>45000;
36
37 -- 5
38 • select department from Employee group by department having avg(salary)<65000;
39
40 -- 6
41 • select * from Employee order by first_name ASC;
42
43 -- 7
44 • select * from Employee order by hire_date DESC;
45

```

Result Grid

Employee_id	First_Name	Last_Name	Department	Salary	Hire_Date
14	Nina	Martez	HR	55000	2022-07-04
7	Grace	Thomas	Marketing	45000	2022-02-14
5	Eva	Taylor	HR	54000	2021-11-30
13	Mike	Gardie	Sales	48000	2021-04-11
10	Jane	Harris	HR	61000	2020-06-18
3	Charlie	Brown	Engineering	62000	2020-01-10
9	Ian	White	Engineering	59000	2019-12-23
2	Bob	Jones	HR	58000	2019-07-15
14	Chen	Enkelmann	Marketing	66000	2019-07-16

Employee 16 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
85	14.25.36	select * from Employee order by first_name ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
86	14.27.24	select * from Employee order by hire_date DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

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Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```

29 • select department from employee group by department having avg(salary)>55000;
30
31 -- 3
32 • select department from Employee group by department having sum(salary)>50000;
33
34 -- 4
35 • select department from Employee group by department having min(salary)>45000;
36
37 -- 5
38 • select department from Employee group by department having avg(salary)<65000;
39
40 -- 6
41 • select * from Employee order by first_name ASC;
42

```

Result Grid

Employee_id	First_Name	Last_Name	Department	Salary	Hire_Date
1	Alice	Smith	Engineering	75000	2018-03-01
2	Bob	Jones	HR	58000	2019-07-15
3	Charlie	Brown	Engineering	62000	2020-01-10
4	David	Wilson	Sales	49000	2017-05-21
5	Eva	Taylor	HR	54000	2021-11-30
6	Frank	Anderson	Engineering	88000	2016-09-05
7	Grace	Thomas	Marketing	45000	2022-02-14
8	Hannah	Jackson	Sales	67000	2015-08-08
9	Ian	White	Engineering	59000	2019-12-23

Employee 15 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
84	14.24.56	select * from Employee order by name ASC LIMIT 0, 1000	Error Code: 1054. Unknown column 'name' in 'order clause'	0.000 sec
85	14.25.36	select * from Employee order by first_name ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

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Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL task 3\*

Limit to 1000 rows

```
26 • select department from Employee group by department having avg(salary)>60000;
27
28 -- 2
29 • select department from employee group by department having avg(salary)>55000;
30
31 -- 3
32 • select department from Employee group by department having sum(salary)>50000;
33
34 -- 4
35 • select department from Employee group by department having min(salary)>45000;
36
37 -- 5
38 • select department from Employee group by department having avg(salary)<65000;
39
```

Result Grid

department
HR
Sales
Marketing

Form Editor

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
82	14:21:17	select * from employee where min(salary)>45000 LIMIT 0, 1000	Error Code: 1111. Invalid use of group function	0.000 sec
83	14:23:38	select department from Employee group by department having avg(salary)<65000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

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14:23 08-05-2025

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Administration Schemas

Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL task 3\*

Limit to 1000 rows

```
23 • insert into Employee values(15, "Oscar", "Robinson", "Marketing", 66000.00, "2019-02-28");
24
25 -- 1
26 • select department from Employee group by department having avg(salary)>60000;
27
28 -- 2
29 • select department from employee group by department having avg(salary)>55000;
30
31 -- 3
32 • select department from Employee group by department having sum(salary)>50000;
33
34 -- 4
35 • select department from Employee group by department having min(salary)>45000;
36
```

Result Grid

department
Engineering
HR
Sales

Form Editor

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
79	14:17:41	select * from Employee where min(salary)>45000 LIMIT 0, 1000	Error Code: 1111. Invalid use of group function	0.000 sec
80	14:19:04	select department from Employee group by department having min(salary)>45000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

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Search

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Administration Schemas

Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```
20 • insert into Employee values(12, "Lara", "Thompson", "Engineering", 72000.00, "2017-01-27");
21 • insert into Employee values(13, "Mike", "Garcia", "Sales", 48000.00, "2021-04-11");
22 • insert into Employee values(14, "Nina", "Martinez", "HR", 55000.00, "2022-07-04");
23 • insert into Employee values(15, "Oscar", "Robinson", "Marketing", 66000.00, "2019-02-28");
24
25 -- 1
26 • select department from Employee group by department having avg(salary)>60000;
27
28 -- 2
29 • select department from employee group by department having avg(salary)>55000;
30
31 -- 3
32 • select department from Employee group by department having sum(salary)>50000;
33
```

Result Grid

department
Engineering
HR
Sales
Marketing

Output

Action Output

#	Time	Action	Message	Error Code	Duration / Fetch
74	14:11:52	select department from Employee group by department having salary>50000 LIMIT 0, 1000	Error Code: 1054. Unknown column 'salary' in 'having clause'		0.000 sec
75	14:12:54	select department from Employee group by department having sum(salary)>50000 LIMIT 0, 1000	4 row(s) returned		0.000 sec / 0.000 sec

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ENG IN

14:12 08-05-2025

MySQL Workbench

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Administration Schemas

Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```
17 • insert into Employee values(9, "Ian", "White", "Engineering", 59000.00, "2019-12-23");
18 • In Execute the selected portion of the script or everything, if there is no selection 00, "2020-06-18");
19 • insert into Employee values(11, "Kyle", "Martin", "Marketing", 53000.00, "2018-10-09");
20 • insert into Employee values(12, "Lara", "Thompson", "Engineering", 72000.00, "2017-01-27");
21 • insert into Employee values(13, "Mike", "Garcia", "Sales", 48000.00, "2021-04-11");
22 • insert into Employee values(14, "Nina", "Martinez", "HR", 55000.00, "2022-07-04");
23 • insert into Employee values(15, "Oscar", "Robinson", "Marketing", 66000.00, "2019-02-28");
24
25 -- 1
26 • select department, avg(salary) from Employee group by department having avg(salary)>60000;
27
28 -- 2
29 • select department from employee group by department having avg(salary)>55000;
30
```

Result Grid

department
Engineering
HR

Output

Action Output

#	Time	Action	Message	Error Code	Duration / Fetch
71	13:57:29	select department, avg(salary) from employee group by department>2 LIMIT 0, 1000	Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains nonaggregated colu...		0.000 sec
72	14:02:03	select department from employee group by department having avg(salary)>55000 LIMIT 0, 1000	2 row(s) returned		0.000 sec / 0.000 sec

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Information

No object selected

Object Info Session

Query 1.sql 1\* SQL Task 1 SQL Task 2 SQL Task 3\*

Limit to 1000 rows

```
15 • insert into Employee values(7, "Grace", "Thomas", "Marketing", 45000.00, "2022-02-14");
16 • insert into Employee values(8, "Hannah", "Jackson", "Sales", 67000.00, "2015-08-08");
17 • insert into Employee values(9, "Ian", "White", "Engineering", 59000.00, "2019-12-23");
18 • insert into Employee values(10, "Jane", "Harris", "HR", 61000.00, "2020-06-10");
19 • insert into Employee values(11, "Kyle", "Martin", "Marketing", 53000.00, "2018-10-09");
20 • insert into Employee values(12, "Lara", "Thompson", "Engineering", 72000.00, "2017-01-27");
21 • insert into Employee values(13, "Mike", "Garcia", "Sales", 48000.00, "2021-04-11");
22 • insert into Employee values(14, "Nina", "Martinez", "HR", 55000.00, "2022-07-04");
23 • insert into Employee values(15, "Oscar", "Robinson", "Marketing", 66000.00, "2019-02-28");
24
25 -- 1
26 • select department from Employee group by department having avg(salary)>60000;
27
28 -- 2
```

Result Grid

department
Engineering

Filter Rows: | Export: | Wrap Cell Contents: |

Read Only Context Help Snippets

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Action Output

#	Time	Action	Message	Duration / Fetch
72	14:02:03	select department from employee group by department having avg(salary)>55000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
73	14:05:06	select department from Employee group by department having avg(salary)>60000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

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Search

ENG IN

14:05 08-05-2025

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