MySQL Workbench

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db ×

Limit to 50000 rows

```
41      (102, 1, 'Python', 78),
42      (103, 2, 'SQL', 92),
43      (104, 3, 'PowerBI', 88),
44      (105, 4, 'Excel', 95);
45
46   •  SELECT * FROM students;
47   •  SELECT * FROM courses;
```

Navigator

SCHEMAS

Filter objects

    Stored Procedures
    Functions
▶ ⊟ amitdb
▶ ⊟ awesome chocolates
▶ ⊟ demo_1
▶ ⊟ new_schema
▶ ⊟ newschema
▶ ⊟ practice_1
▶ ⊟ sales_data
▶ ⊟ starting_now
▶ ⊟ sumi_db
▶ ⊟ sys

Administration   Schemas

Information

Schema: achieving_time

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: IA

student_id	name	gender	age
1	Aarav	Male	21
2	Meera	Female	20
3	John	Male	22
4	Sophia	Female	21
*	NULL	NULL	NULL	NULL

Result Grid

Form Editor

students 23 ×   Apply   Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
❌	97	20:57:40	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.016 sec
❌	98	20:57:46	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.000 sec
❌	99	20:57:50	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.000 sec
✅	100	20:58:19	SHOW INDEX FROM courses	2 row(s) returned	0.047 sec / 0.000 sec
❌	101	21:19:12	CREATE TABLE students (student_id INT PRIMARY KEY, name VARCHAR(50), ge...	Error Code: 1050. Table 'students' already exists	0.079 sec
✅	102	21:19:48	SELECT * FROM students LIMIT 0, 50000	4 row(s) returned	0.016 sec / 0.000 sec

Object Info   Session

Query Completed

Activate Windows
Go to Settings to activate Windows

Q Search

ENG
IN

9:19 PM
11/17/2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db ×

SCHEMAS

Filter objects

    Stored Procedures
    Functions
▶ amitdb
▶ awesome chocolates
▶ demo_1
▶ new_schema
▶ newschema
▶ practice_1
▶ sales_data
▶ starting_now
▶ sumi_db
▶ sys

Administration   Schemas

Information

Schema: achieving_time

```
45
46 ●   SEL. .        .d..ts;
47 ●   SELECT * FROM courses;
```
Execute the selected portion of the script or everything, if there is no selection
```
48
49 ●   SELECT name, age
50     FROM students
51     WHERE age > 20;
```

Limit to 50000 rows

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: IA

course_id	student_id	course_name	marks
101	1	SQL	85
102	1	Python	78
103	2	SQL	92
104	3	PowerBI	88
105	4	Excel	95
NULL	NULL	NULL	NULL

courses 24 ×

Result Grid

Form Editor

Apply   Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
⊗	98	20:57:46	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.000 sec
⊗	99	20:57:50	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.000 sec
⊘	100	20:58:19	SHOW INDEX FROM courses	2 row(s) returned	0.047 sec / 0.000 sec
⊗	101	21:19:12	CREATE TABLE students (student_id INT PRIMARY KEY. name VARCHAR(50). ge..	Error Code: 1050. Table 'students' already exists	0.079 sec
⊘	102	21:19:48	SELECT * FROM students LIMIT 0, 50000	4 row(s) returned	0.016 sec / 0.000 sec
⊘	103	21:20:03	SELECT * FROM courses LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Query Completed

Activate Windows
Go to Settings to activate

Q Search

ENG
IN

9:20 PM
11/17/2025

MySQL Workbench

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Navigator

SCHEMAS

Filter objects

- Stored Procedures
- Functions
- amitdb
- awesome chocolates
- demo_1
- new_schema
- newschema
- practice_1
- sales_data
- starting_now
- sumi_db
- sys

Administration   Schemas

Information

Schema: achieving_time

SQL File 3*   task 3 .1*   task3_db ×

Limit to 50000 rows

```
47 •  SELECT * FROM courses;
48
49 •  SELECT name, age
50    FROM students
51    WHERE age > 20;
52
53 •  SELECT name, age
```

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

	name	age
▶	Aarav	21
	John	22
	Sophia	21

students 25 ×   ℹ Read Only

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✕	99	20:57:50	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.000 sec
✓	100	20:58:19	SHOW INDEX FROM courses	2 row(s) returned	0.047 sec / 0.000 sec
✕	101	21:19:12	CREATE TABLE students (student_id INT PRIMARY KEY. name VARCHAR(50). ge...	Error Code: 1050. Table 'students' already exists	0.079 sec
✓	102	21:19:48	SELECT * FROM students LIMIT 0, 50000	4 row(s) returned	0.016 sec / 0.000 sec
✓	103	21:20:03	SELECT * FROM courses LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec
✓	104	21:20:16	SELECT name, age FROM students WHERE age > 20 LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Query Completed

Result Grid

Form Editor

Q Search

ENG
IN

9:20 PM
11/17/2025

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

SQL File 3*   task 3 .1*   task3_db

Filter objects

Stored Procedures
Functions
amitdb
awesome chocolates
demo_1
new_schema
newschema
practice_1
sales_data
starting_now
sumi_db
sys

Administration Schemas

Information

Schema: achieving_time

```
51      WHERE age > 20;
52
53  •   SELECT name, age
54      FROM students
55      ORDER BY age ASC;
56
57  •   SELECT student_id, course_name, marks
```

Limit to 50000 rows

Result Grid   Filter Rows: Export: Wrap Cell Content: ‎

name	age
Aarav	21
John	22
Sophia	21

Result Grid

Form Editor

students 25

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
❌	99	20:57:50	DROP INDEX idx_student_id ON courses	Error Code: 1553. Cannot drop index 'idx_student_id': needed in a foreign key constraint	0.000 sec
✅	100	20:58:19	SHOW INDEX FROM courses	2 row(s) returned	0.047 sec / 0.000 sec
❌	101	21:19:12	CREATE TABLE students (student_id INT PRIMARY KEY. name VARCHAR(50). ge...	Error Code: 1050. Table 'students' already exists	0.079 sec
✅	102	21:19:48	SELECT * FROM students LIMIT 0. 50000	4 row(s) returned	0.016 sec / 0.000 sec
✅	103	21:20:03	SELECT * FROM courses LIMIT 0. 50000	5 row(s) returned	0.000 sec / 0.000 sec
✅	104	21:20:16	SELECT name, age FROM students WHERE age > 20 LIMIT 0. 50000	3 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Q Search

ENG
IN

9:20 PM
11/17/2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db ×

```
55   ORDER BY age ASC;
56            Execute the selected portion of the script or everything, if there is no selection
57 ●  SELECT student_id, course_name, marks
58   FROM courses
59   ORDER BY marks DESC;
60
61 ●  SELECT s.name, c.course_name, c.marks
```

Navigator

SCHEMAS

Filter objects

- Stored Procedures
- Functions
▶ amitdb
▶ awesome chocolates
▶ demo_1
▶ new_schema
▶ newschema
▶ practice_1
▶ sales_data
▶ starting_now
▶ sumi_db
▶ sys

Administration   Schemas

Information

Schema: achieving_time

Limit to 50000 rows

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

	student_id	course_name	marks
▶	4	Excel	95
	2	SQL	92
	3	PowerBI	88
	1	SQL	85
	1	Python	78

Result Grid

Form Editor

courses 26 ×   ⓘ Read Only

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✓	100	20:58:19	SHOW INDEX FROM courses	2 row(s) returned	0.047 sec / 0.000 sec
✗	101	21:19:12	CREATE TABLE students (student_id INT PRIMARY KEY. name VARCHAR(50), ge...	Error Code: 1050. Table 'students' already exists	0.079 sec
✓	102	21:19:48	SELECT * FROM students LIMIT 0, 50000	4 row(s) returned	0.016 sec / 0.000 sec
✓	103	21:20:03	SELECT * FROM courses LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec
✓	104	21:20:16	SELECT name, age FROM students WHERE age > 20 LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec
✓	105	21:20:32	SELECT student_id, course_name, marks FROM courses ORDER BY marks DESC LIMIT 0,...	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Query Completed

Q Search

ENG
IN

9:20 PM
11/17/2025

MySQL Workbench

Local instance MySQL80

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db

Navigator

SCHEMAS

Filter objects

Stored Procedures
Functions
amitdb
awesome chocolates
demo_1
new_schema
newschema
practice_1
sales_data
starting_now
sumi_db
sys

Administration   Schemas

Information

Schema: achieving_time

```
59    ORDER BY marks DESC;
60              Execute the selected portion of the script or everything, if there is no selection
61  •  SELECT s.name, c.course_name, c.marks
62    FROM students s
63    INNER JOIN courses c ON s.student_id = c.student_id;
64
65
```

Limit to 50000 rows

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

name	course_name	marks
Aarav	SQL	85
Aarav	Python	78
Meera	SQL	92
John	PowerBI	88
Sophia	Excel	95

Result 27

Result Grid

Form Editor

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
❌ 101	21:19:12	CREATE TABLE students (student_id INT PRIMARY KEY, name VARCHAR(50), ge...	Error Code: 1050. Table 'students' already exists	0.079 sec
✓ 102	21:19:48	SELECT * FROM students LIMIT 0. 50000	4 row(s) returned	0.016 sec / 0.000 sec
✓ 103	21:20:03	SELECT * FROM courses LIMIT 0. 50000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 104	21:20:16	SELECT name. age FROM students WHERE age > 20 LIMIT 0. 50000	3 row(s) returned	0.000 sec / 0.000 sec
✓ 105	21:20:32	SELECT student_id, course_name, marks FROM courses ORDER BY marks DESC LIMIT 0...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 106	21:20:46	SELECT s.name, c.course_name, c.marks FROM students s INNER JOIN courses c ON s.st...	5 row(s) returned	0.016 sec / 0.000 sec

Object Info   Session

Query Completed

```
65
66
67 •  SELECT s.name, c.course_name, c.marks
68     FROM students s
69     LEFT JOIN courses c ON s.student_id = c.student_id;
70
71 •  SELECT s.name, c.course_name, c.marks
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

name	course_name	marks
Aarav	SQL	85
Aarav	Python	78
Meera	SQL	92
John	PowerBI	88
Sophia	Excel	95

Result 28

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
102	21:19:48	SELECT * FROM students LIMIT 0, 50000	4 row(s) returned	0.016 sec / 0.000 sec
103	21:20:03	SELECT * FROM courses LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec
104	21:20:16	SELECT name, age FROM students WHERE age > 20 LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec
105	21:20:32	SELECT student_id, course_name, marks FROM courses ORDER BY marks DESC LIMIT 0...	5 row(s) returned	0.000 sec / 0.000 sec
106	21:20:46	SELECT s.name, c.course_name, c.marks FROM students s INNER JOIN courses c ON s.st...	5 row(s) returned	0.016 sec / 0.000 sec
107	21:20:59	SELECT s.name, c.course_name, c.marks FROM students s LEFT JOIN courses c ON s.stu...	5 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db ×

```
69    LEFT JOIN courses c ON s.student_id = c.student_id;
70
71 •  SELECT s.name, c.course_name, c.marks
72    FROM students s
73    RIGHT JOIN courses c ON s.student_id = c.student_id;
74
75 •  SELECT name
```

SCHEMAS

Filter objects

- Stored Procedures
- Functions
- amitdb
- awesome chocolates
- demo_1
- new_schema
- newschema
- practice_1
- sales_data
- starting_now
- sumi_db
- sys

Administration   Schemas

Information

Schema: achieving_time

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

	name	course_name	marks
▶	Aarav	SQL	85
	Aarav	Python	78
	Meera	SQL	92
	John	PowerBI	88
	Sophia	Excel	95

Result Grid

Form Editor

Result 29 ×   ⓘ Read Only

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✓	103	21:20:03	SELECT * FROM courses LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec
✓	104	21:20:16	SELECT name, age FROM students WHERE age > 20 LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec
✓	105	21:20:32	SELECT student_id, course_name, marks FROM courses ORDER BY marks DESC LIMIT 0...	5 row(s) returned	0.000 sec / 0.000 sec
✓	106	21:20:46	SELECT s.name, c.course_name, c.marks FROM students s INNER JOIN courses c ON s.st...	5 row(s) returned	0.016 sec / 0.000 sec
✓	107	21:20:59	SELECT s.name, c.course_name, c.marks FROM students s LEFT JOIN courses c ON s.stu...	5 row(s) returned	0.000 sec / 0.000 sec
✓	108	21:21:13	SELECT s.name, c.course_name, c.marks FROM students s RIGHT JOIN courses c ON s.st...	5 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Query Completed

Activate Windows
Go to Settings to activate Windows

Q Search

ENG
IN

9:21 PM
11/17/2025

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db

```
76      FROM students
77      WHERE student_id IN (
78          SELECT student_id
79          FROM courses
80          WHERE marks > 90
81      );
82
```

Limit to 50000 rows

Navigator

SCHEMAS

Filter objects

- Stored Procedures
- Functions
- amitdb
- awesome chocolates
- demo_1
- new_schema
- newschema
- practice_1
- sales_data
- starting_now
- sumi_db
- sys

Administration Schemas

Information

Schema: achieving_time

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

name
Meera
Sophia

students 30 ×

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
104	21:20:16	SELECT name, age FROM students WHERE age > 20 LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec
105	21:20:32	SELECT student_id, course_name, marks FROM courses ORDER BY marks DESC LIMIT 0...	5 row(s) returned	0.000 sec / 0.000 sec
106	21:20:46	SELECT s.name, c.course_name, c.marks FROM students s INNER JOIN courses c ON s.st...	5 row(s) returned	0.016 sec / 0.000 sec
107	21:20:59	SELECT s.name, c.course_name, c.marks FROM students s LEFT JOIN courses c ON s.stu...	5 row(s) returned	0.000 sec / 0.000 sec
108	21:21:13	SELECT s.name, c.course_name, c.marks FROM students s RIGHT JOIN courses c ON s.st...	5 row(s) returned	0.000 sec / 0.000 sec
109	21:21:25	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Query Completed

Result Grid

Form Editor

Activate Windows
Go to Settings to activate Windows

Search

ENG
IN

9:21 PM
11/17/2025

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db

Limit to 50000 rows

```
83
84  •   SELECT name
85      FROM students
86      WHERE age = (
87          SELECT MAX(age) FROM students
88      );
89
```

SCHEMAS

Filter objects

- Stored Procedures
- Functions
- amitdb
- awesome chocolates
- demo_1
- new_schema
- newschema
- practice_1
- sales_data
- starting_now
- sumi_db
- sys

Administration   Schemas

Information

Schema: achieving_time

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

name
John

students 31

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	105	21:20:32	SELECT student_id, course_name, marks FROM courses ORDER BY marks DESC LIMIT 0...	5 row(s) returned	0.000 sec / 0.000 sec
✓	106	21:20:46	SELECT s.name, c.course_name, c.marks FROM students s INNER JOIN courses c ON s.st...	5 row(s) returned	0.016 sec / 0.000 sec
✓	107	21:20:59	SELECT s.name, c.course_name, c.marks FROM students s LEFT JOIN courses c ON s.stu...	5 row(s) returned	0.000 sec / 0.000 sec
✓	108	21:21:13	SELECT s.name, c.course_name, c.marks FROM students s RIGHT JOIN courses c ON s.st...	5 row(s) returned	0.000 sec / 0.000 sec
✓	109	21:21:25	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.016 sec / 0.000 sec
✓	110	21:21:48	SELECT name FROM students WHERE age = (SELECT MAX(age) FROM students) LIM...	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Q Search

ENG
IN

9:21 PM
11/17/2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db ×

Limit to 50000 rows

```
89
90
91 •   SELECT SUM(marks) AS total_marks FROM courses;
92
93 •   SELECT AVG(marks) AS average_marks FROM courses;
94
95 •   SELECT COUNT(DISTINCT student_id) AS total_students
```

Navigator

SCHEMAS

Filter objects

    Stored Procedures
    Functions
  ▶ amitdb
  ▶ awesome chocolates
  ▶ demo_1
  ▶ new_schema
  ▶ newschema
  ▶ practice_1
  ▶ sales_data
  ▶ starting_now
  ▶ sumi_db
  ▶ sys

Administration   Schemas

Information

Schema: achieving_time

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

total_marks
▶ 438

Result 33 ×   ℹ Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	108	21:21:13	SELECT s.name, c.course_name, c.marks FROM students s RIGHT JOIN courses c ON s.st...	5 row(s) returned	0.000 sec / 0.000 sec
✓	109	21:21:25	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.016 sec / 0.000 sec
✓	110	21:21:48	SELECT name FROM students WHERE age = (SELECT MAX(age) FROM students) LIM...	1 row(s) returned	0.000 sec / 0.000 sec
✗	111	21:22:16	WHERE student_id IN (SELECT student_id FROM courses WHERE marks > 90)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
✓	112	21:22:24	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.000 sec / 0.000 sec
✓	113	21:22:32	SELECT SUM(marks) AS total_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec

Query Completed

Activate Windows
Go to Settings to activate Windows

Search

ENG
IN

9:22 PM
11/17/2025

MySQL Workbench

Local instance MySQL80 ×   MySQL Model ×

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db ×

Limit to 50000 rows

```
89
90
91  ●    SELECT SUM(marks) AS total_marks FROM courses;
92
93  ●    SELECT AVG(marks) AS average_marks FROM courses;
94
95  ●    SELECT COUNT(DISTINCT student id) AS total students
```

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

average_marks
87.6000

Result 34 ×   ● Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
● 109	21:21:25	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.016 sec / 0.000 sec
● 110	21:21:48	SELECT name FROM students WHERE age = (SELECT MAX(age) FROM students) LIM...	1 row(s) returned	0.000 sec / 0.000 sec
● 111	21:22:16	WHERE student_id IN (SELECT student_id FROM courses WHERE marks > 90)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
● 112	21:22:24	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.000 sec / 0.000 sec
● 113	21:22:32	SELECT SUM(marks) AS total_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
● 114	21:22:50	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec

Query Completed

Local instance MySQL80 × | MySQL Model ×

File Edit View Query Database Server Tools Scripting Help

SQL File 3*   task 3 .1*   task3_db ×

Navigator

SCHEMAS

Q Filter objects

- Stored Procedures
- Functions
- ► ≡ amitdb
- ► ≡ awesome chocolates
- ► ≡ demo_1
- ► ≡ new_schema
- ► ≡ newschema
- ► ≡ practice_1
- ► ≡ sales_data
- ► ≡ starting_now
- ► ≡ sumi_db
- ► ≡ sys

Administration Schemas

Information

Schema: achieving_time

Limit to 50000 rows

```
91 •  SELECT SUM(marks) AS total_marks FROM courses;
92
93 •  SELECT AVG(marks) AS average_marks FROM courses;
94
95 •  SELECT COUNT(DISTINCT student_id) AS total_students
96     FROM courses;
97
```

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

average_marks
► 87.6000

Result 35 ×   ❶ Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	110	21:21:48	SELECT name FROM students WHERE age = (SELECT MAX(age) FROM students) LIM...	1 row(s) returned	0.000 sec / 0.000 sec
✗	111	21:22:16	WHERE student_id IN (SELECT student_id FROM courses WHERE marks > 90)	Error Code: 1064. You have an error in your SQL syntax: check the manual that corresponds ...	0.000 sec
✓	112	21:22:24	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.000 sec / 0.000 sec
✓	113	21:22:32	SELECT SUM(marks) AS total_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✓	114	21:22:50	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✓	115	21:23:01	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

Result
Grid

Form
Editor

Activate Windows
Go to Settings to activate Windows

MySQL Workbench

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Navigator

SCHEMAS

Filter objects

- Stored Procedures
- Functions
- amitdb
- awesome chocolates
- demo_1
- new_schema
- newschema
- practice_1
- sales_data
- starting_now
- sumi_db
- sys

Administration   Schemas

Information

Schema: achieving_time

SQL File 3*   task 3 .1*   task3_db ×

Limit to 50000 rows

```
91 •   SELECT SUM(marks) AS total_marks FROM courses;
92
93 •   SELECT AVG(marks) AS average_marks FROM courses;
94
95 •   SELECT COUNT(DISTINCT student_id) AS total_students
96     FROM courses;
97
```

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

total_students
4

Result 36 ×   🛈 Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
❌ 111	21:22:16	WHERE student_id IN (SELECT student_id FROM courses WHERE marks > 90)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
✅ 112	21:22:24	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.000 sec / 0.000 sec
✅ 113	21:22:32	SELECT SUM(marks) AS total_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✅ 114	21:22:50	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✅ 115	21:23:01	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
✅ 116	21:23:11	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.015 sec / 0.000 sec

Object Info   Session

Query Completed

MySQL Workbench

Local instance MySQL80 ×   MySQL Model ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db ×

SCHEMAS

Filter objects

  Stored Procedures
  Functions
▶ amitdb
▶ awesome chocolates
▶ demo_1
▶ new_schema
▶ newschema
▶ practice_1
▶ sales_data
▶ starting_now
▶ sumi_db
▶ sys

Administration   Schemas

Information

Schema: achieving_time

Object Info   Session

```
95  ●  SELECT COUNT(DISTINCT student_id) AS total_students
96     F  Execute the selected portion of the script or everything, if there is no selection
97
98  ●  SELECT COUNT(DISTINCT student_id) AS total_students
99     FROM courses;
100
101
```

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

total_students
4

Result 37 ×   Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	112	21:22:24	SELECT name FROM students WHERE student_id IN (SELECT student_id FROM co...	2 row(s) returned	0.000 sec / 0.000 sec
✓	113	21:22:32	SELECT SUM(marks) AS total_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✓	114	21:22:50	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✓	115	21:23:01	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
✓	116	21:23:11	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.015 sec / 0.000 sec
✓	117	21:23:20	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Activate Windows
Go to Settings to activate

Result Grid

Form Editor

Search   ENG
                                                              IN
                                                              9:23 PM
                                                              11/17/2025

MySQL Workbench

Local instance MySQL80 × | MySQL Model ×

File Edit View Query Database Server Tools Scripting Help

SQL File 3* | task 3 .1* | task3_db ×

Navigator

SCHEMAS

Filter objects

- Stored Procedures
- Functions
- amitdb
- awesome chocolates
- demo_1
- new_schema
- newschema
- practice_1
- sales_data
- starting_now
- sumi_db
- sys

Administration Schemas

Information

Schema: achieving_time

Object Info Session

```
101
102 ●  SELECT student_id, SUM(marks) AS total_marks
103     FROM courses
104     GROUP BY student_id;
105
106 ●  SELECT student_id, SUM(marks) AS total_marks
107     FROM courses
```

Execute the selected portion of the script or everything, if there is no selection

Limit to 50000 rows

Result Grid | Filter Rows: Export: | Wrap Cell Content: $\overline{1A}$

student_id	total_marks
1	163
2	92
3	88
4	95

Result 38 ×   ℹ Read Only

Result Grid

Form Editor

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	113	21:22:32	SELECT SUM(marks) AS total_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✓	114	21:22:50	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
✓	115	21:23:01	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
✓	116	21:23:11	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.015 sec / 0.000 sec
✓	117	21:23:20	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
✓	118	21:23:31	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id LIM...	4 row(s) returned	0.016 sec / 0.000 sec

Activate Windows
Go to Settings to activate

Query Completed

Q Search

ENG
IN

9:23 PM
11/17/2025

Local instance MySQL80 ×   MySQL Model ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db ×

```
105
106 ●   SELECT student_id, SUM(marks) AS total_marks
107     FROM courses
108     GROUP BY student_id
109     HAVING SUM(marks) > 150;
110
111 ●   CREATE OR REPLACE VIEW student_report AS
```

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

student_id	total_marks
1	163

Result 39 ×   ● Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
●	114	21:22:50	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
●	115	21:23:01	SELECT AVG(marks) AS average_marks FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
●	116	21:23:11	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.015 sec / 0.000 sec
●	117	21:23:20	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
●	118	21:23:31	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id LIM...	4 row(s) returned	0.016 sec / 0.000 sec
●	119	21:23:45	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id HA...	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Schema: achieving_time

Administration   Schemas

Information

MySQL Workbench

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db ×

Limit to 50000 rows

```
119        JOIN courses c
120        ON s.student_id = c.student_id;
121
122
123 ●      SELECT * FROM student_report;
124
125 ●      CREATE INDEX idx student id
```

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

	student_id	name	gender	course_name	marks
▶	1	Aarav	Male	SQL	85
	1	Aarav	Male	Python	78
	2	Meera	Female	SQL	92
	3	John	Male	PowerBI	88
	4	Sophia	Female	Excel	95

student_report 40 ×   ● Read Only

Result Grid

Form Editor

Output

Action Output

	#	Time	Action	Message	Duration / Fetch
●	116	21:23:11	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.015 sec / 0.000 sec
●	117	21:23:20	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
●	118	21:23:31	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id LIM...	4 row(s) returned	0.016 sec / 0.000 sec
●	119	21:23:45	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id HA...	1 row(s) returned	0.000 sec / 0.000 sec
●	120	21:24:02	CREATE OR REPLACE VIEW student_report AS SELECT s.student_id, s.name, s.g...	0 row(s) affected	0.047 sec
●	121	21:24:13	SELECT * FROM student_report LIMIT 0, 50000	5 row(s) returned	0.031 sec / 0.000 sec

Query Completed

Activate Windows
Go to Settings to activate Windows

SCHEMAS
Filter objects
    Stored Procedures
    Functions
▶ amitdb
▶ awesome chocolates
▶ demo_1
▶ new_schema
▶ newschema
▶ practice_1
▶ sales_data
▶ starting_now
▶ sumi_db
▶ sys

Administration   Schemas

Information

Schema: achieving_time

Object Info   Session

Navigator

Q Search

ENG
IN

9:24 PM
11/17/2025

Local instance MySQL80 ×   MySQL Model ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 3*   task 3 .1*   task3_db ×

```
126      ON courses(student_id);
127
128  ●   DROP INDEX idx_student_id ON courses;
129
130  ●   SHOW INDEX FROM courses;
131
132
```

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

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Nul	Index_type	Comment	Index_comment	Visible	Expression
courses	0	PRIMARY	1	course_id	A	5	NULL	NULL		BTREE			YES	NULL
courses	1	idx_student_id	1	student_id	A	4	NULL	NULL	YES	BTREE			YES	NULL

Result 41 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
117	21:23:20	SELECT COUNT(DISTINCT student_id) AS total_students FROM courses LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
118	21:23:31	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id LIM...	4 row(s) returned	0.016 sec / 0.000 sec
119	21:23:45	SELECT student_id, SUM(marks) AS total_marks FROM courses GROUP BY student_id HA...	1 row(s) returned	0.000 sec / 0.000 sec
120	21:24:02	CREATE OR REPLACE VIEW student_report AS SELECT s.student_id, s.name, s.g...	0 row(s) affected	0.047 sec
121	21:24:13	SELECT * FROM student_report LIMIT 0, 50000	5 row(s) returned	0.031 sec / 0.000 sec
122	21:24:27	SHOW INDEX FROM courses	2 row(s) returned	0.016 sec / 0.000 sec

Query Completed