

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

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PERFORMANCE

- Administration
- Schemas

No object selected

Result Grid

StudentID	FirstName	LastName	Email	BirthDate	EnrollmentDate
1	John	Doe	john.doe@email.com	2000-01-15	2022-08-01
2	Jane	Smith	jane.smith@email.com	1999-05-25	2021-08-01
3	Robert	Miller	robert.miller@email.com	2001-03-20	2023-01-10
*	NULL	NULL	NULL	NULL	NULL

Students 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
13	22:54:20	INSERT INTO Enrollments VALUES (1, 1, 101), (2, 1, 102), (3, 2, 101)	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.016 sec
14	22:54:28	INSERT INTO Students VALUES (3, 'Robert', 'Miller', 'robert.miller@email.com', '2001-03-20', '2023-01-10')	1 row(s) affected	0.016 sec
15	22:55:16	SELECT * FROM Students LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Result Grid

Context Help Snippets

Type here to search

Windows Taskbar

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No object selected

Result Grid

StudentID	FirstName	LastName	Email	BirthDate	EnrollmentDate
1	John	Doe	john.new@email.com	2000-01-15	2022-08-01
*	NULL	NULL	NULL	NULL	NULL

Students 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
16	22:55:57	UPDATE Students SET Email = 'john.new@email.com' WHERE StudentID = 1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.031 sec
17	22:56:07	DELETE FROM Students WHERE StudentID = 3	1 row(s) affected	0.015 sec
18	22:56:14	SELECT * FROM Students WHERE EnrollmentDate > '2022-01-01' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Result Grid

Context Help Snippets

Type here to search

Windows Taskbar

The screenshot shows the MySQL Workbench application window. The title bar reads "MySQL Workbench". The menu bar includes "File", "Edit", "View", "Query", "Database", "Server", "Tools", "Scripting", and "Help". The left sidebar has sections for "MANAGEMENT" (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore) and "INSTANCE" (Startup / Shutdown, Server Logs, Options File). The "PERFORMANCE" section is expanded, showing "Administration" and "Schemas". A message "No object selected" is displayed at the bottom left. The main area contains two tabs: "SQL File 6*" and "SQL File 11*". The "SQL File 11*" tab is active, showing the following SQL code:

```
73 • DELETE FROM Students WHERE StudentID = 33
    Execute the selected portion of the script or everything, if there is no selection
74
75 • SELECT * FROM Students
    WHERE EnrollmentDate > '2022-01-01';
76
77
78 • SELECT * FROM Courses
    WHERE DepartmentID = 2
    LIMIT 5;
79
80
81
82
```

Below the code is a "Result Grid" showing the output of the last query:

	CourseID	CourseName	DepartmentID	Credits
▶	102	Data Structures	2	4
●	HULL	HULL	HULL	HULL

On the right side, there is a "SQLAdditions" toolbar with icons for back, forward, search, and jump to. A help panel on the right says: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help." The status bar at the bottom right shows "10:57 PM IN 11/23/2025" and a notification count of 4.

The screenshot shows the MySQL Workbench interface. The left sidebar includes sections for MANAGEMENT (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore), INSTANCE (Startup / Shutdown, Server Logs, Options File), and PERFORMANCE (Administration, Schemas). The main area displays a SQL editor with the following query:

```
79 WHERE DepartmentID = 2
80 L Execute the selected portion of the script or everything, if there is no selection
81
82 • SELECT C.CourseName, COUNT(E.StudentID) AS TotalStudents
83 FROM Enrollments E
84 JOIN Courses C ON E.CourseID = C.CourseID
85 GROUP BY C.CourseID
86 HAVING TotalStudents > 5;
87
88
```

The line 'Execute the selected portion of the script or everything, if there is no selection' is highlighted with a light blue background. Below the editor is a Result Grid showing the output:

CourseName	TotalStudents
Course 1	10
Course 2	15
Course 3	20
Course 4	25
Course 5	30

The bottom pane shows the Output window with the following log:

#	Time	Action	Message	Duration / Fetch
18	22:56:14	SELECT * FROM Students WHERE EnrollmentDate > '2022-01-01' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
19	22:56:59	SELECT * FROM Courses WHERE DepartmentID = 2 LIMIT 5	1 row(s) returned	0.000 sec / 0.000 sec
20	22:57:25	SELECT C.CourseName, COUNT(E.StudentID) AS TotalStudents FROM Enrollment...	0 row(s) returned	0.016 sec / 0.000 sec

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No object selected

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

```

87
88 •   SELECT s.StudentID, s.FirstName, s.LastName
89 FROM Students s
90 WHERE s.StudentID IN (
91     SELECT StudentID FROM Enrollments WHERE CourseID = 101
92 )
93 AND s.StudentID IN (
94     SELECT StudentID FROM Enrollments WHERE CourseID = 102
95 )
96

```

Students 5 x

Output:

Action Output	#	Time	Action	Message	Duration / Fetch
19 22:56:59	SELECT * FROM Courses WHERE DepartmentID = 2 LIMIT 5			1 row(s) returned	0.000 sec / 0.000 sec
20 22:57:25	SELECT C.CourseName, COUNT(E.StudentID) AS TotalStudents FROM Enrollment...			0 row(s) returned	0.016 sec / 0.000 sec
21 22:57:52	SELECT s.StudentID, s.FirstName, s.LastName FROM Students s WHERE s.Stude...			1 row(s) returned	0.000 sec / 0.000 sec

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

StudentID FirstName LastName

1 John Doe

No object selected

Type here to search

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

StudentID FirstName LastName

1 John Doe

No object selected

Type here to search

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No object selected

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

```

96
97 •   SELECT DISTINCT s.StudentID, s.FirstName, s.LastName
98 FROM Students s
99 JOIN Enrollments e ON s.StudentID = e.StudentID
100 WHERE e.CourseID IN (101, 102)
101
102
103
104
105 •   SELECT AVG(Credits) AS AverageCredits FROM Courses;

```

Result 6 x

Output:

Action Output	#	Time	Action	Message	Duration / Fetch
20 22:57:25	SELECT C.CourseName, COUNT(E.StudentID) AS TotalStudents FROM Enrollment...			0 row(s) returned	0.016 sec / 0.000 sec
21 22:57:52	SELECT s.StudentID, s.FirstName, s.LastName FROM Students s WHERE s.Stude...			1 row(s) returned	0.000 sec / 0.000 sec
22 22:58:18	SELECT DISTINCT s.StudentID, s.FirstName, s.LastName FROM Students s JOIN...			2 row(s) returned	0.000 sec / 0.000 sec

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

StudentID FirstName LastName

1 John Doe

2 Jane Smith

No object selected

Type here to search

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PERFORMANCE

- Administration Schemas

No object selected

SQL File 6*

```
96
97 •   SELECT DISTINCT s.StudentID, s.FirstName, s.LastName
98 FROM Students s
99 JOIN Enrollments e ON s.StudentID = e.StudentID
100 WHERE e.CourseID IN (101, 102);
101
102 •   SELECT AVG(Credits) AS AverageCredits FROM Courses;
103
104
105
```

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

AverageCredits
3.500

Result 7 x

Output:

#	Time	Action	Message	Duration / Fetch
21	22:57:52	SELECT s.StudentID, s.FirstName, s.LastName FROM Students s WHERE s.Stude...	1 row(s) returned	0.000 sec / 0.000 sec
22	22:58:18	SELECT DISTINCT s.StudentID, s.FirstName, s.LastName FROM Students s JOIN ...	2 row(s) returned	0.000 sec / 0.000 sec
23	22:58:42	SELECT AVG(Credits) AS AverageCredits FROM Courses LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec

Result 8 x

Output:

#	Time	Action	Message	Duration / Fetch
25	22:59:10	UPDATE Instructors SET Salary = 50000 WHERE InstructorID = 1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
26	22:59:10	UPDATE Instructors SET Salary = 60000 WHERE InstructorID = 2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
27	22:59:15	SELECT MAX(Salary) FROM Instructors WHERE DepartmentID = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

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

MAX(Salary)
50000

Result Grid

Context Help Snippets

Result Only

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No object selected

SQL File 6*

```
101
102 •   SELECT AVG(Credits) AS AverageCredits FROM Courses;
103
104 •   ALTER TABLE Instructors ADD Salary INT;
105
106 •   UPDATE Instructors SET Salary = 50000 WHERE InstructorID = 1;
107 •   UPDATE Instructors SET Salary = 60000 WHERE InstructorID = 2;
108
109 •   SELECT MAX(Salary) FROM Instructors
110 WHERE DepartmentID = 1;
```

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

MAX(Salary)
50000

Result 8 x

Output:

#	Time	Action	Message	Duration / Fetch
25	22:59:10	UPDATE Instructors SET Salary = 50000 WHERE InstructorID = 1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
26	22:59:10	UPDATE Instructors SET Salary = 60000 WHERE InstructorID = 2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
27	22:59:15	SELECT MAX(Salary) FROM Instructors WHERE DepartmentID = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

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

MAX(Salary)
50000

Result Grid

Context Help Snippets

Result Only

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