

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: SQL File 3*

Find

```
1 -- Drop database if already exists (DDL: DROP)
2 DROP DATABASE IF EXISTS UniversityDB;
3
4 -- Create a new database (DDL: CREATE)
5 CREATE DATABASE UniversityDB;
6
7 -- Select database
8 USE UniversityDB;
9
10 -- Create Departments table (DDL: CREATE with Primary Key)
11 CREATE TABLE Departments (
12     DepartmentID INT PRIMARY KEY,
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5 x

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:35 18-08-2025

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: SQL File 3*

Find

```
13 DepartmentName VARCHAR(100) NOT NULL
14 );
15
16 -- Create Courses table (DDL: CREATE with Primary + Foreign Key)
17 CREATE TABLE Courses (
18     CourseID INT PRIMARY KEY,
19     CourseName VARCHAR(100) NOT NULL,
20     DepartmentID INT,
21     FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
22 );
23
24 -- Create Students table (DDL: CREATE with Primary + Foreign Keys)
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5 x

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:36 18-08-2025

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: SQL File 3*

```

25 CREATE TABLE Students (
26   StudentID INT PRIMARY KEY,
27   Name VARCHAR(100) NOT NULL,
28   Age INT,
29   DepartmentID INT,
30   CourseID INT,
31   FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID),
32   FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
33 );
34
35 -- Create Professors table (DDL: CREATE with Primary + Foreign Key)
36 CREATE TABLE Professors (

```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	201

Administration Schemas Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 201);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

10:36 18-08-2025

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

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: SQL File 3*

```

37 ProfessorID INT PRIMARY KEY,
38 Name VARCHAR(100) NOT NULL,
39 DepartmentID INT,
40 Salary DECIMAL(10,2),
41 FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
42 );
43
44 -- Create Enrollments table (DDL: CREATE with Primary + Foreign Keys)
45 CREATE TABLE Enrollments (
46   EnrollmentID INT PRIMARY KEY,
47   StudentID INT,
48   CourseID INT,

```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	201

Administration Schemas Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 201);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

10:36 18-08-2025

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

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: x SQL File 3*

Find

Limit to 1000 rows

SQL

```
48 CourseID INT,  
49 FOREIGN KEY (StudentID) REFERENCES Students(StudentID),  
50 FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)  
51 );  
52  
53 -- DDL: ALTER - Add new column  
54 ALTER TABLE Students  
55 ADD PhoneNumber VARCHAR(15);  
56  
57 -- DDL: ALTER - Modify column length  
58 ALTER TABLE Courses  
59 MODIFY CourseName VARCHAR(150) NOT NULL;
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas

Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5 x

Apply Revert Context Help Snippets

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:36 18-08-2025

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

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: x SQL File 3*

Find

Limit to 1000 rows

SQL

```
68 -- DDL: ALTER - Drop column  
69 ALTER TABLE Professors  
70 DROP COLUMN Salary;  
71  
72 -- Insert sample data into Departments (DDL: INSERT)  
73 INSERT INTO Departments (DepartmentID, DepartmentName) VALUES  
74 (1, 'Computer Science'),  
75 (2, 'Mathematics'),  
76 (3, 'Physics');  
77  
78 -- Insert sample data into Courses (DDL: INSERT)
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas

Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5 x

Apply Revert Context Help Snippets

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:36 18-08-2025

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

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: SQL File 3

```
72 INSERT INTO Courses (CourseID, CourseName, DepartmentID) VALUES
73 (101, 'Data Structures', 1),
74 (102, 'Algorithms', 1),
75 (201, 'Calculus', 2),
76 (301, 'Quantum Mechanics', 3);
77
78 -- Insert sample data into Students (DML: INSERT)
79 INSERT INTO Students (StudentID, Name, Age, DepartmentID, CourseID, PhoneNumber) VALUES
80 (1, 'Alice', 20, 1, 101, '9876543210'),
81 (2, 'Bob', 21, 1, 102, '9876500000'),
82 (3, 'Charlie', 19, 2, 201, '9123456789'),
83 (4, 'David', 22, 3, 301, '9988776655');
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec / 0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:37 18-08-2025

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Query 1: SQL File 3

```
84
85 -- Insert sample data into Professors (DML: INSERT)
86 INSERT INTO Professors (ProfessorID, Name, DepartmentID) VALUES
87 (1, 'Dr. Smith', 1),
88 (2, 'Dr. Johnson', 2),
89 (3, 'Dr. Brown', 3);
90
91 -- Insert sample data into Enrollments (DML: INSERT)
92 INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES
93 (1, 1, 101),
94 (2, 2, 102),
95 (3, 3, 201);
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas

Information

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:37 18-08-2025

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

- MANAGEMENT
 - Server Status
 - Client Connections
 - Users and Privileges
 - Status and System Variables
 - Data Export
 - Data Import/Restore
- INSTANCE
 - Startup / Shutdown
 - Server Logs
 - Options File
- PERFORMANCE
 - Dashboard
 - Performance Reports
 - Performance Schema Setup

Query 1 SQL File 3

Find

```
93 (1, 1, 101),
94 (2, 2, 102),
95 (3, 3, 201),
96 (4, 4, 301);
97
98 -- View data (DML: SELECT)
99 SELECT * FROM Departments;
100 SELECT * FROM Courses;
101 SELECT * FROM Students;
102 SELECT * FROM Professors;
103 SELECT * FROM Enrollments;
```

Result Grid

EnrollmentID	StudentID	CourseID
1	1	101
2	2	102
3	3	201
4	4	301

Administration Schemas

Departments 1 Courses 2 Students 3 Professors 4 Enrollments 5 x

Apply Revert Context Help Snippets

Information

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	10:33:32	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES (1, 1, 101), (2, 2, 102), (3, 3, 201), (4, 4, 301);	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
18	10:33:32	SELECT * FROM Departments LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
19	10:33:32	SELECT * FROM Courses LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
20	10:33:32	SELECT * FROM Students LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
21	10:33:32	SELECT * FROM Professors LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	10:33:32	SELECT * FROM Enrollments LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

22°C Light rain

Search

ENG IN

10:37 18-08-2025

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