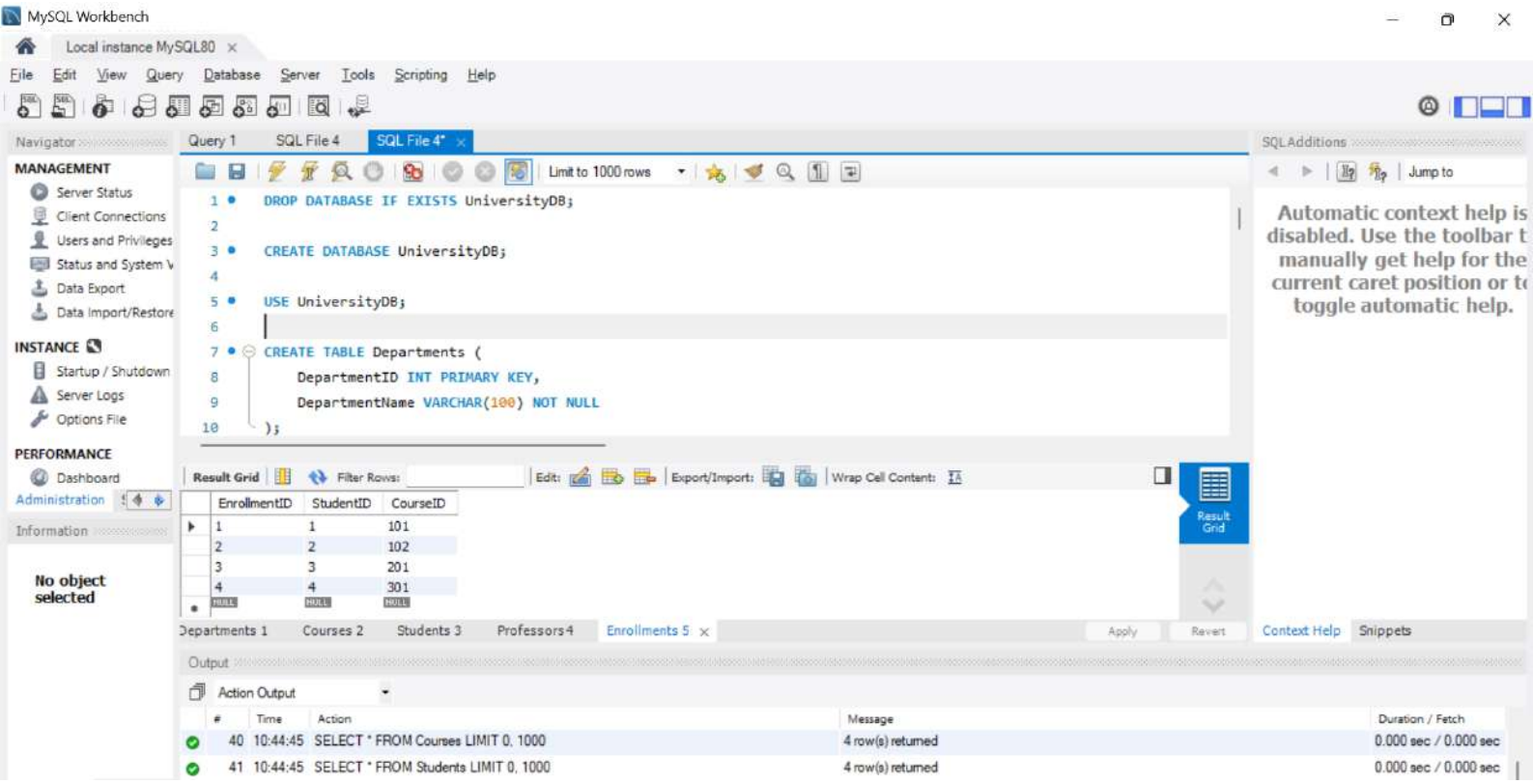
MySQL Workbench
Local instance MySQL80
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Information
No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
1 DROP DATABASE IF EXISTS UniversityDB;
2
3 CREATE DATABASE UniversityDB;
4
5 USE UniversityDB;
6
7 CREATE TABLE Departments (
8 DepartmentID INT PRIMARY KEY,
9 DepartmentName VARCHAR(100) NOT NULL
10);
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
EnrollmentID StudentID CourseID
1 1 101
2 2 102
3 3 201
4 4 301
Departments 1
Courses 2
Students 3
Professors 4
Enrollments 5
Apply
Revert
SQLAdditions
Jump to
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Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
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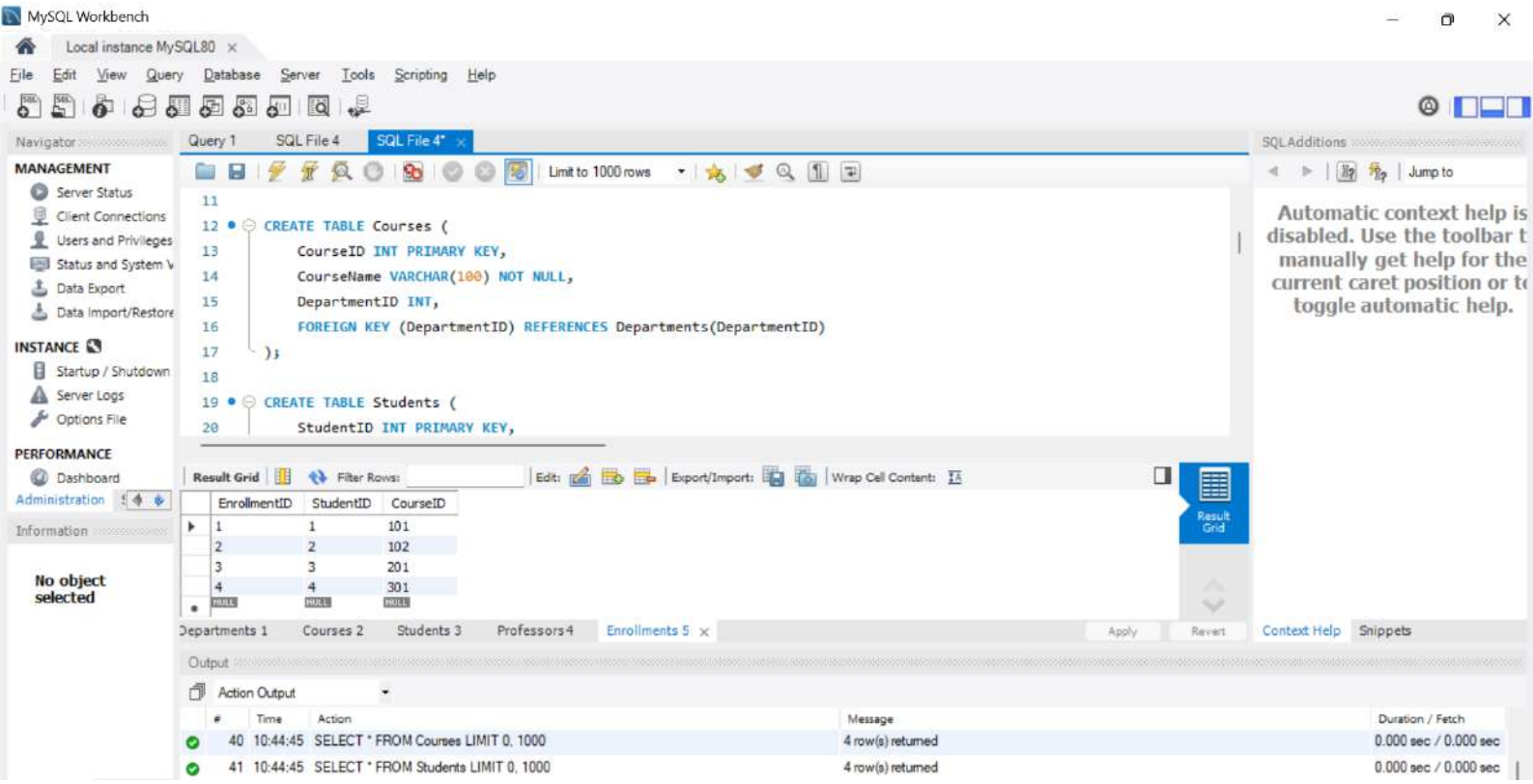
41 10:44:45 SELECT * FROM Students LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec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Options File
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Information
No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
11
12 CREATE TABLE Courses (
13 CourseID INT PRIMARY KEY,
14 CourseName VARCHAR(100) NOT NULL,
15 DepartmentID INT,
16 FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
17);
18
19 CREATE TABLE Students (
20 StudentID INT PRIMARY KEY,
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
EnrollmentID StudentID CourseID
1 1 101
2 2 102
3 3 201
4 4 301
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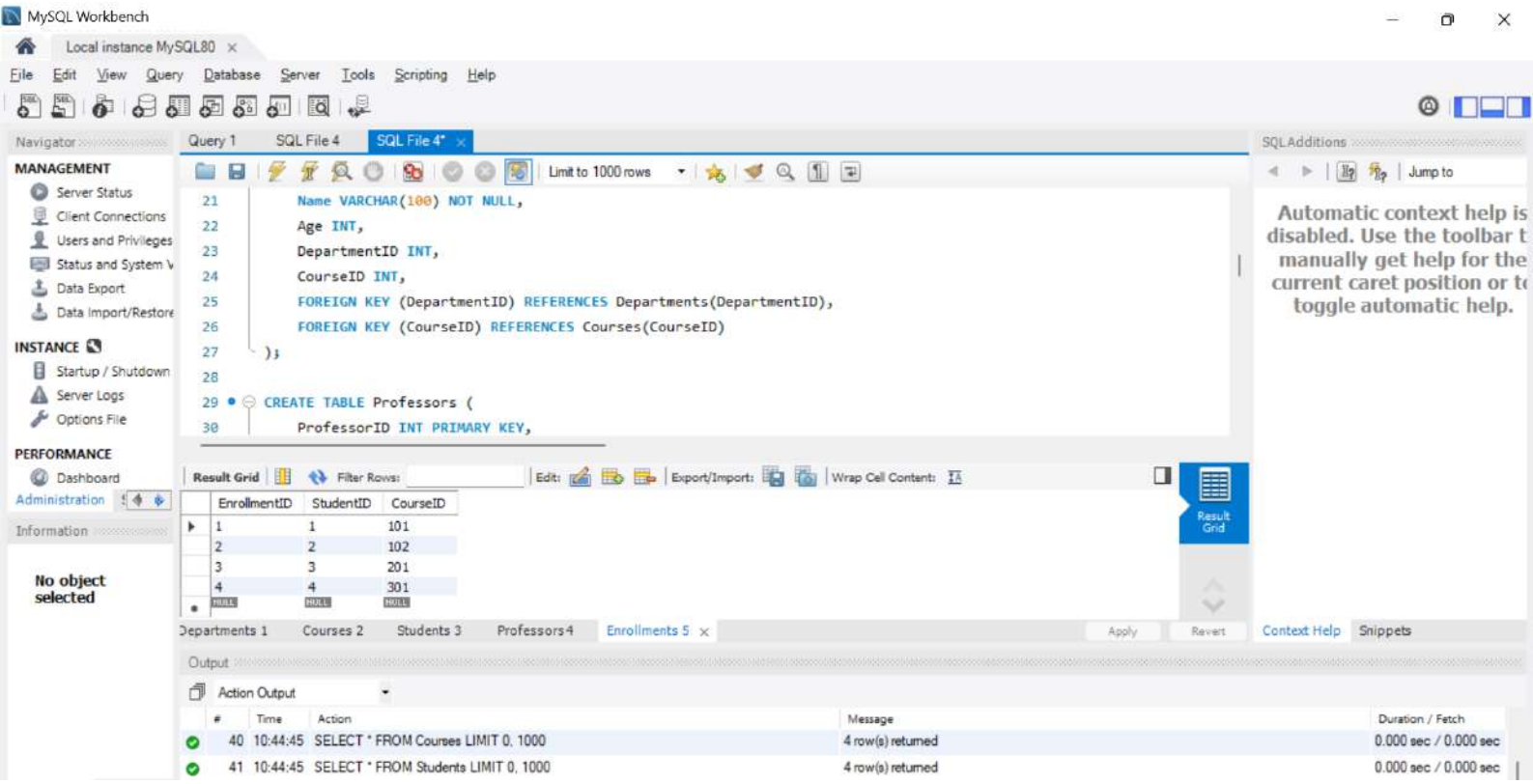
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Information
No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
21 Name VARCHAR(100) NOT NULL,
22 Age INT,
23 DepartmentID INT,
24 CourseID INT,
25 FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID),
26 FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
27);
28
29 CREATE TABLE Professors (
30 ProfessorID INT PRIMARY KEY,
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
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1 1 101
2 2 102
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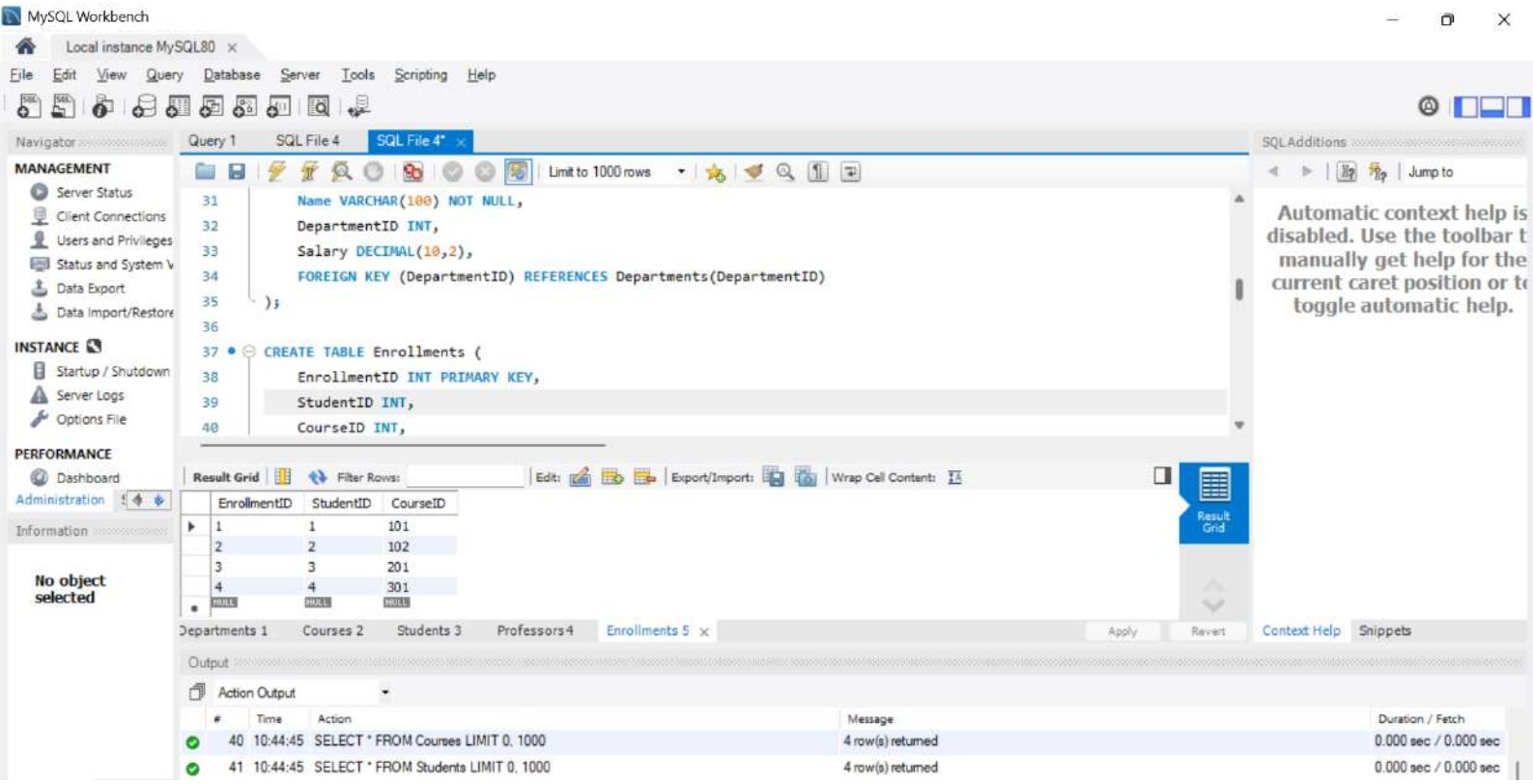
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No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
31 Name VARCHAR(100) NOT NULL,
32 DepartmentID INT,
33 Salary DECIMAL(10,2),
34 FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
35);
36
37 CREATE TABLE Enrollments (
38 EnrollmentID INT PRIMARY KEY,
39 StudentID INT,
40 CourseID INT,
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
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1 1 101
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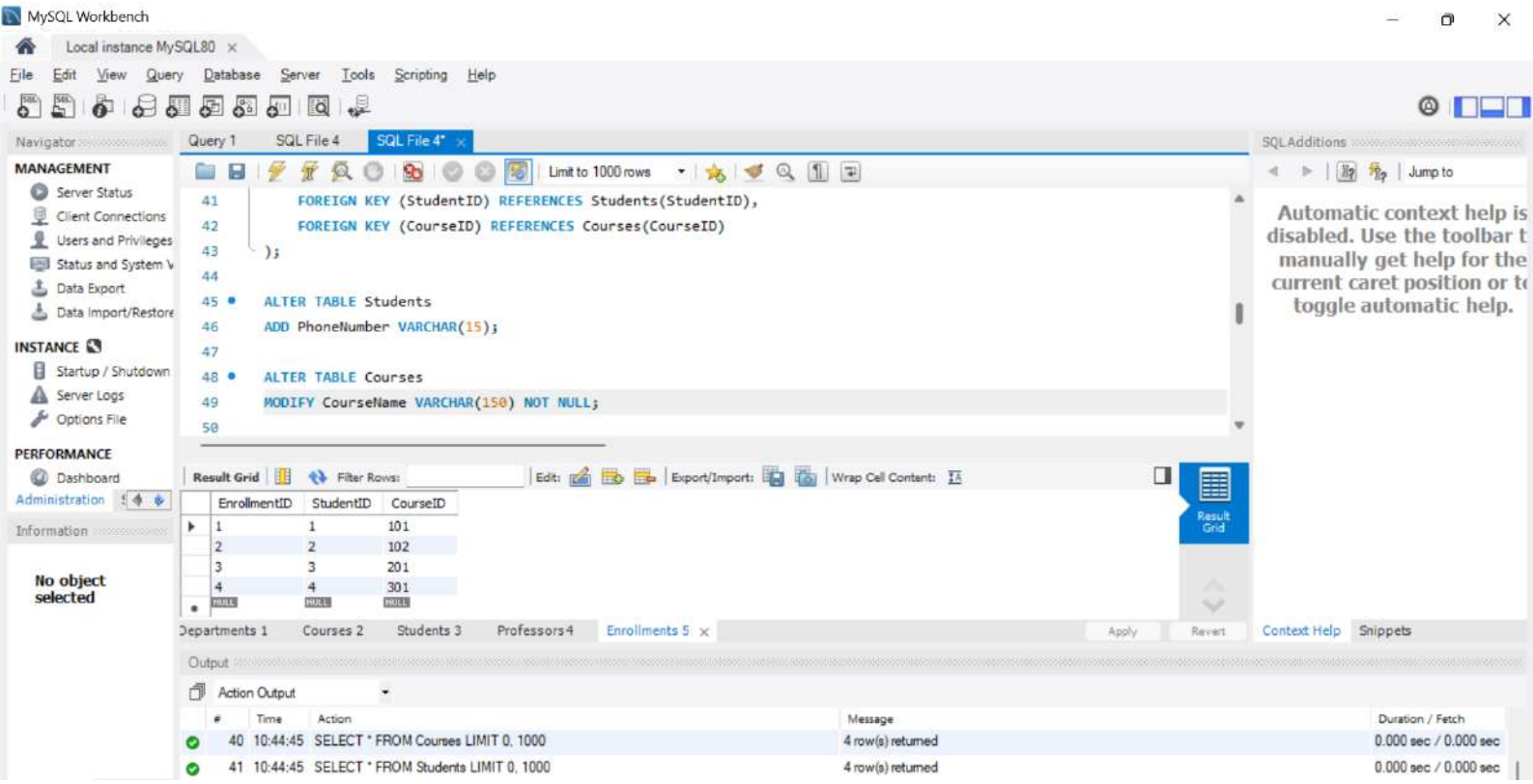
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Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
41 FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
42 FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
43);
44
45 ALTER TABLE Students
46 ADD PhoneNumber VARCHAR(15);
47
48 ALTER TABLE Courses
49 MODIFY CourseName VARCHAR(150) NOT NULL;
50
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
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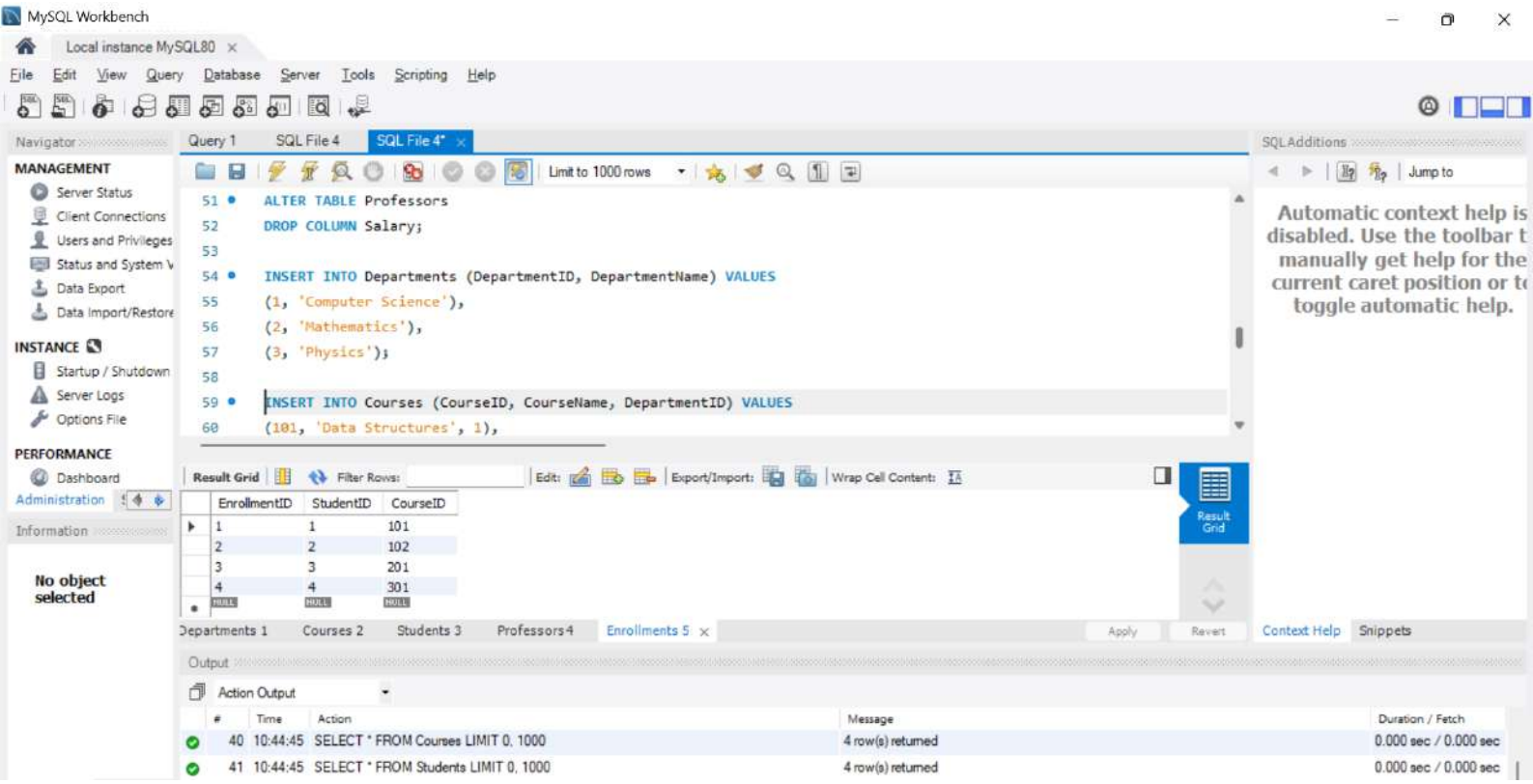
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No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
51 ALTER TABLE Professors
52 DROP COLUMN Salary;
53
54 INSERT INTO Departments (DepartmentID, DepartmentName) VALUES
55 (1, 'Computer Science'),
56 (2, 'Mathematics'),
57 (3, 'Physics');
58
59 INSERT INTO Courses (CourseID, CourseName, DepartmentID) VALUES
60 (101, 'Data Structures', 1),
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
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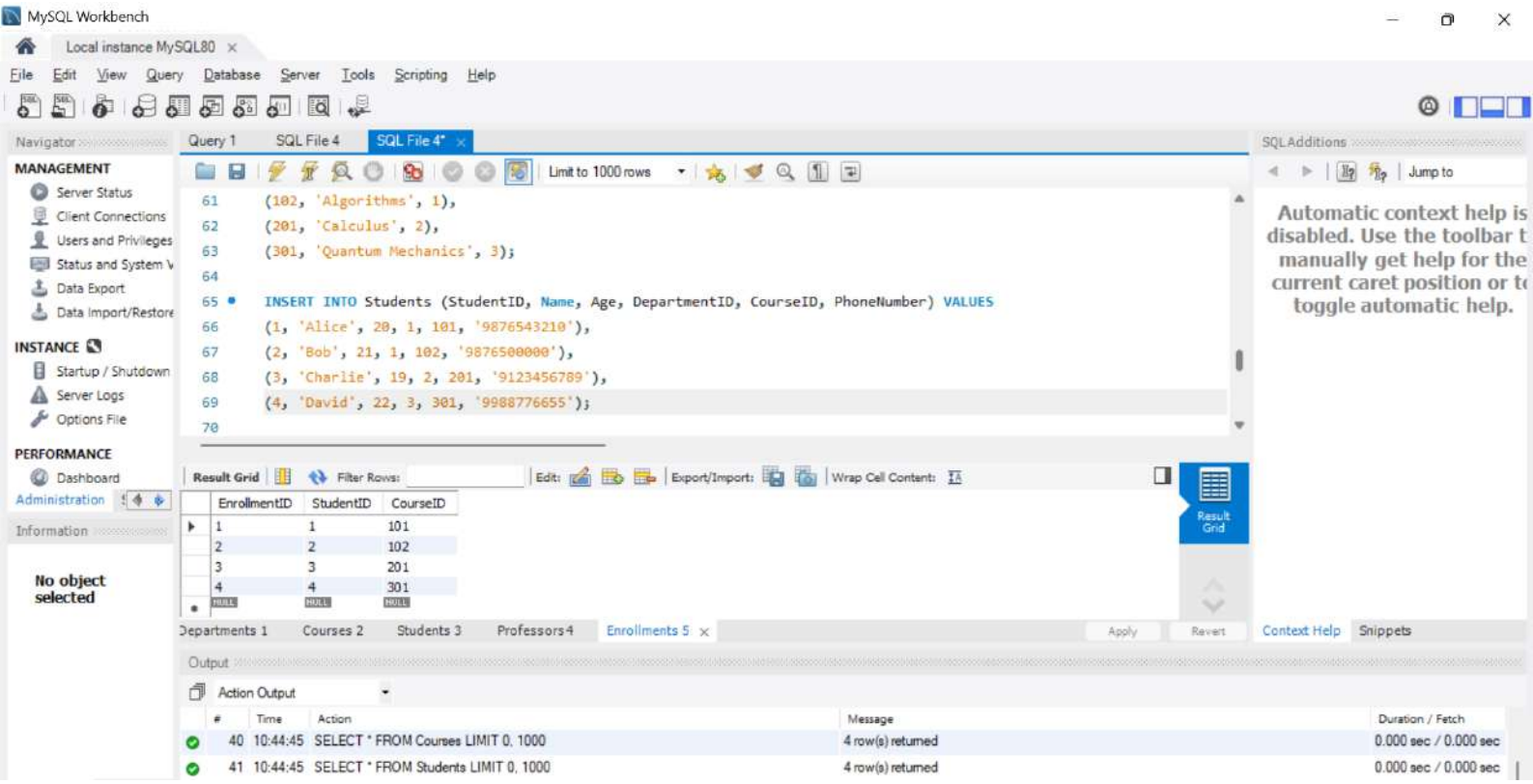
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No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
61 (102, 'Algorithms', 1),
62 (201, 'Calculus', 2),
63 (301, 'Quantum Mechanics', 3);
64
65 INSERT INTO Students (StudentID, Name, Age, DepartmentID, CourseID, PhoneNumber) VALUES
66 (1, 'Alice', 20, 1, 101, '9876543210'),
67 (2, 'Bob', 21, 1, 102, '9876500000'),
68 (3, 'Charlie', 19, 2, 201, '9123456789'),
69 (4, 'David', 22, 3, 301, '9988776655');
70
Result Grid
Filter Rows:
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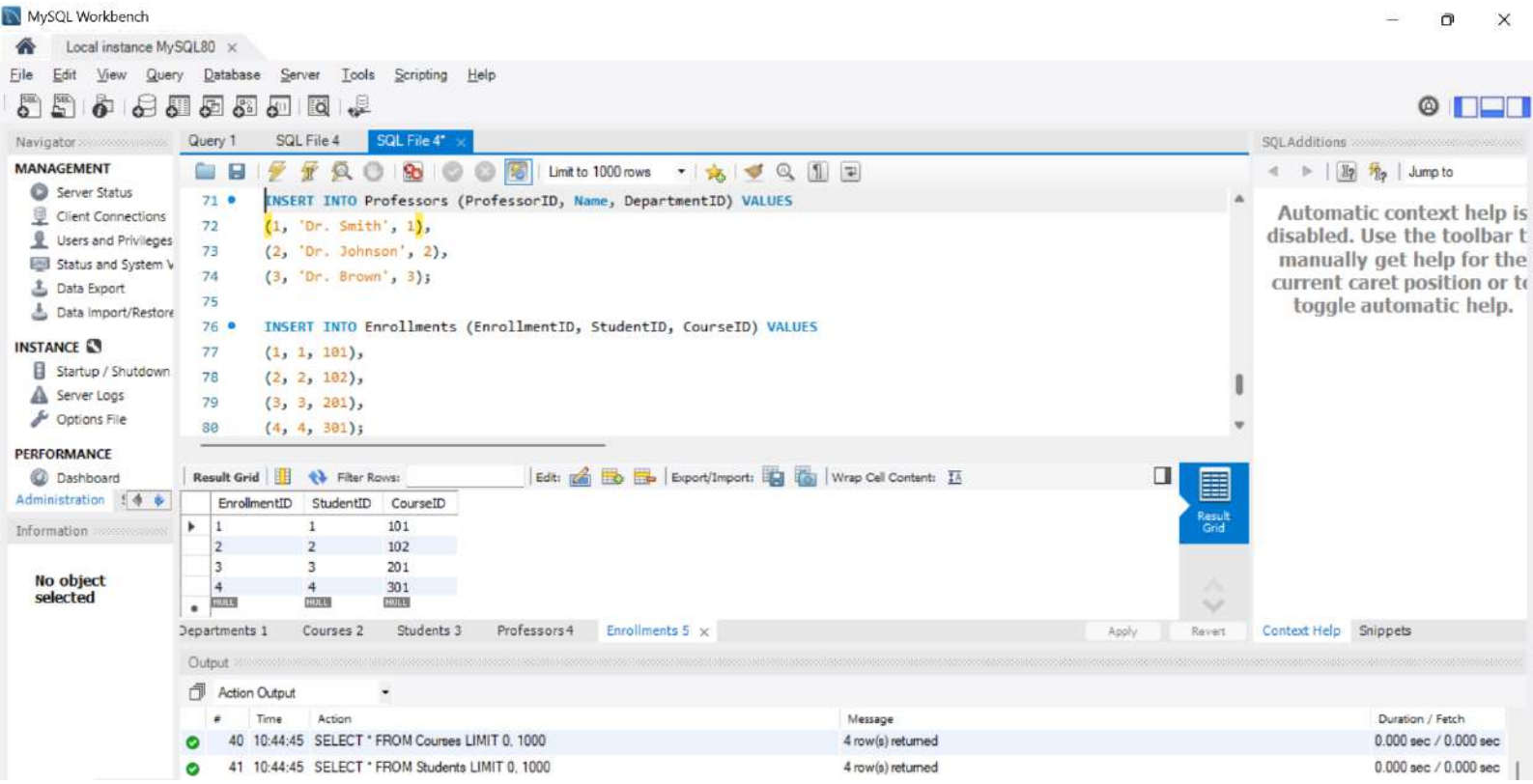
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No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
71 INSERT INTO Professors (ProfessorID, Name, DepartmentID) VALUES
72 (1, 'Dr. Smith', 1),
73 (2, 'Dr. Johnson', 2),
74 (3, 'Dr. Brown', 3);
75
76 INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID) VALUES
77 (1, 1, 101),
78 (2, 2, 102),
79 (3, 3, 201),
80 (4, 4, 301);
Result Grid
Filter Rows:
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Wrap Cell Content:
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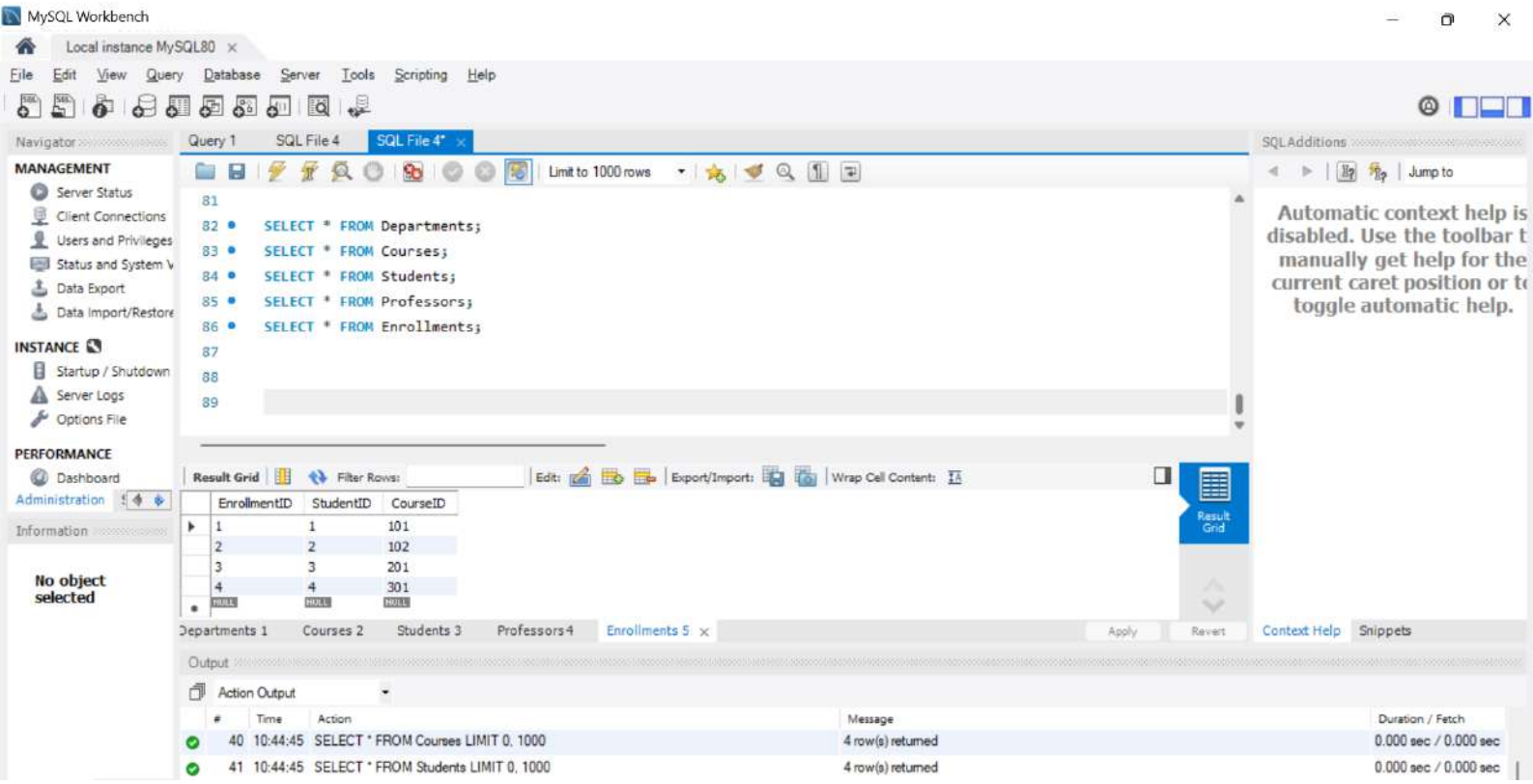
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Information
No object selected
Query 1
SQL File 4
SQL File 4*
Limit to 1000 rows
81
82 SELECT * FROM Departments;
83 SELECT * FROM Courses;
84 SELECT * FROM Students;
85 SELECT * FROM Professors;
86 SELECT * FROM Enrollments;
87
88
89
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
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