**Name: LAMIA ALSHUWAIER**

**Student ID: 201912117**

**Exercise 1: Write an SQL statement to create the following tables in a database called “University”**

LECTURERS

|  |  |  |
| --- | --- | --- |
| **Key type** | **optionality** | **Column name** |
| **PK** | **\*** | **Lecturer\_ID** |
|  | **\*** | **Lecturer\_Firstname** |
|  | **0** | **Lecturer\_last name** |
|  | **0** | **Employee type** |
|  | **0** | **Grade** |
|  | **0** | **Organization** |

COURSES

|  |  |  |
| --- | --- | --- |
| **Key type** | **optionality** | **Column name** |
| **PK** | **\*** | **Course\_ID** |
|  | **\*** | **Course\_name** |
|  | **0** | **Description** |
| **FK** | **0** | **Lecturer\_ID** |

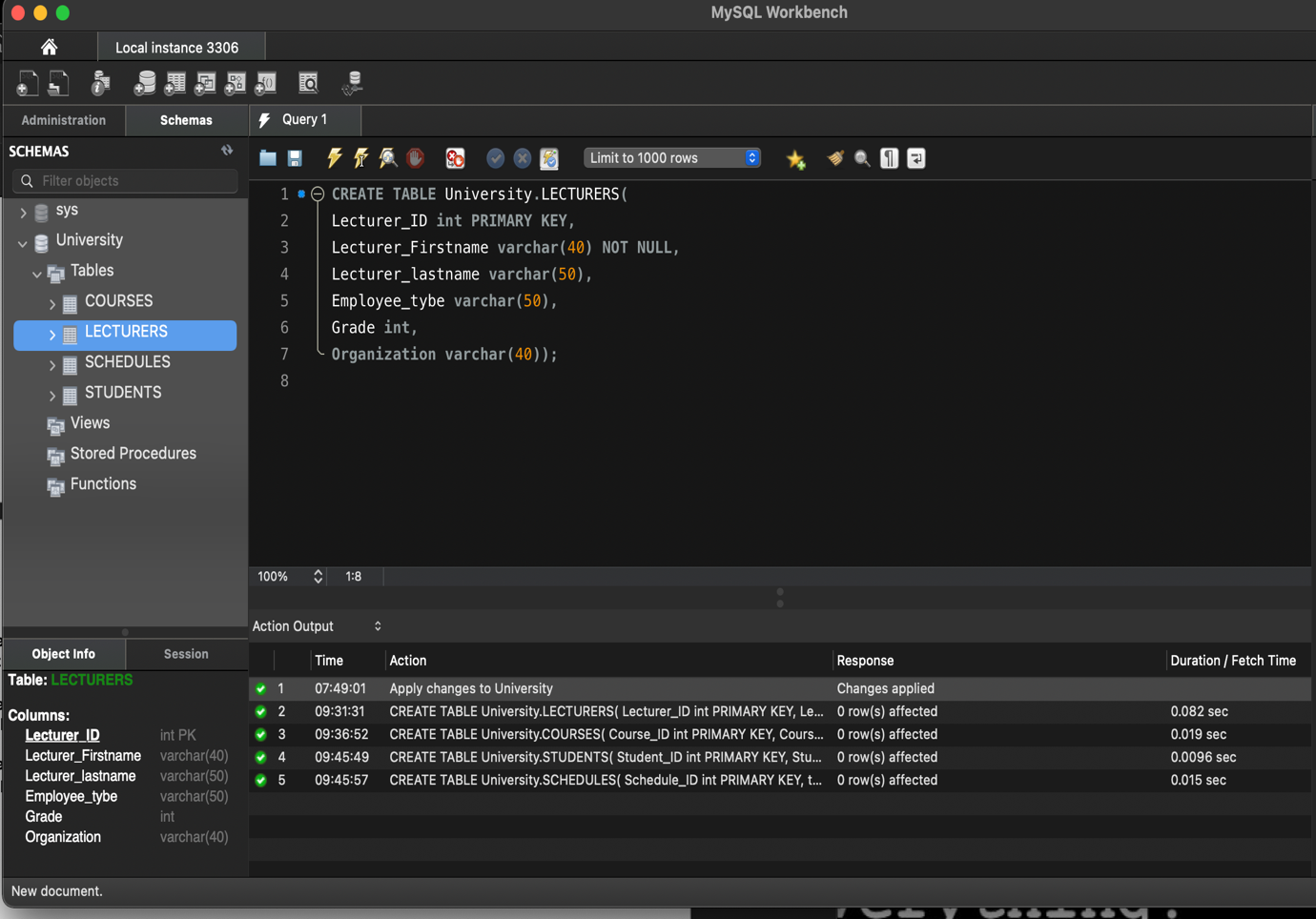
SCHEDULES

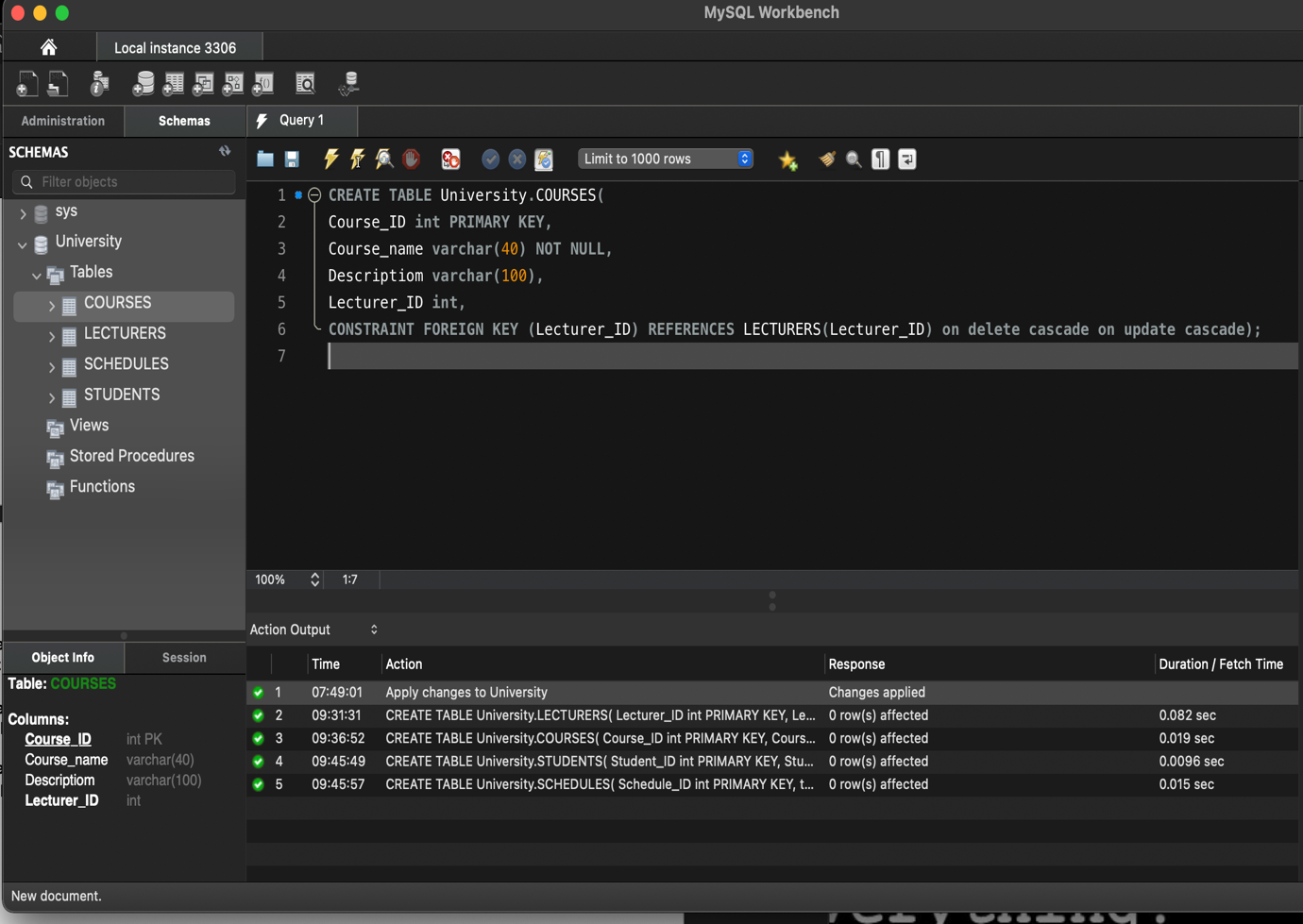
|  |  |  |
| --- | --- | --- |
| **Key type** | **optionality** | **Column name** |
| **PK** | **\*** | **Schedule\_ID** |
|  | **\*** | **term** |
| **FK** | **0** | **Student\_ID** |
| **FK** | **0** | **Course\_ID** |

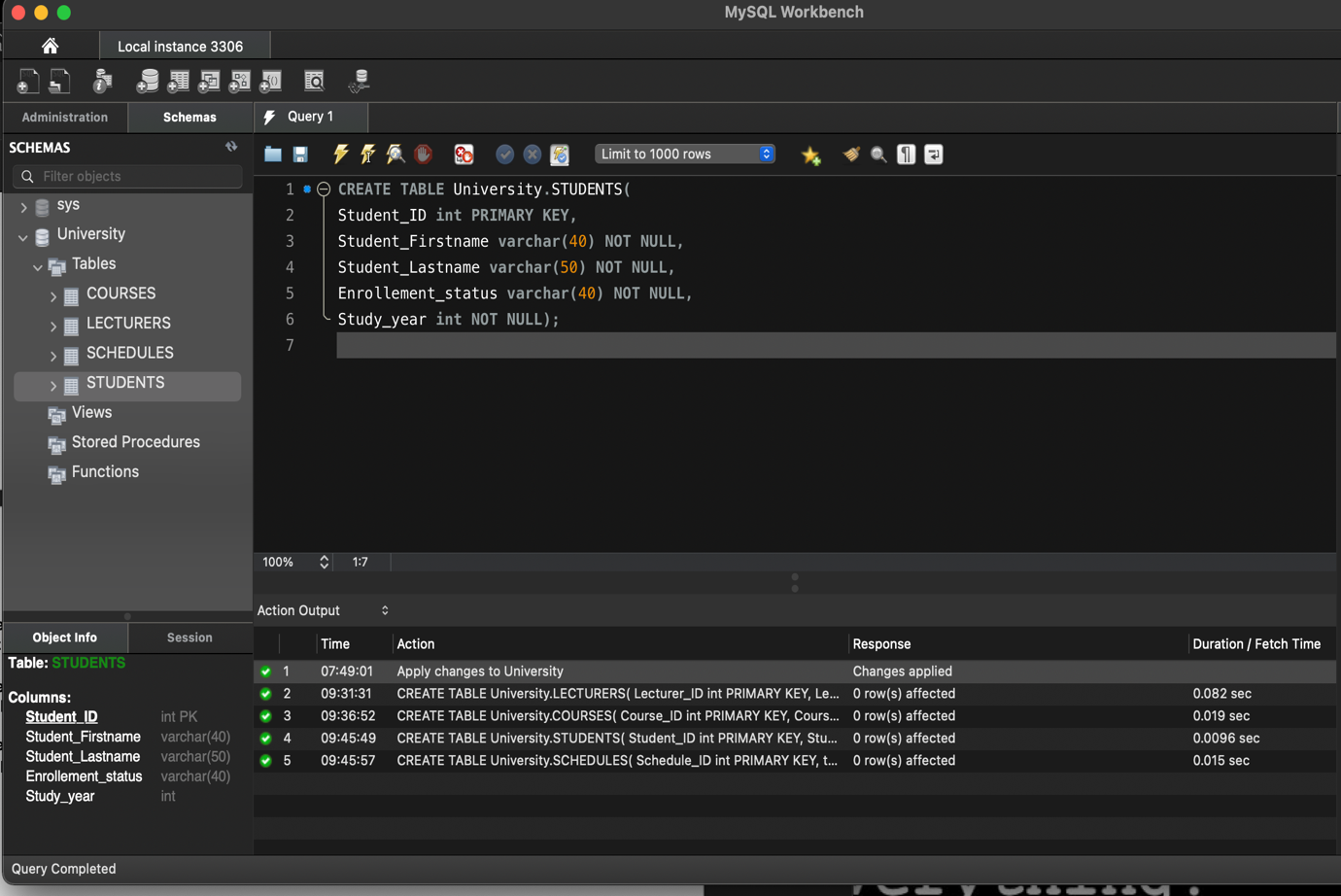
STUDENTS

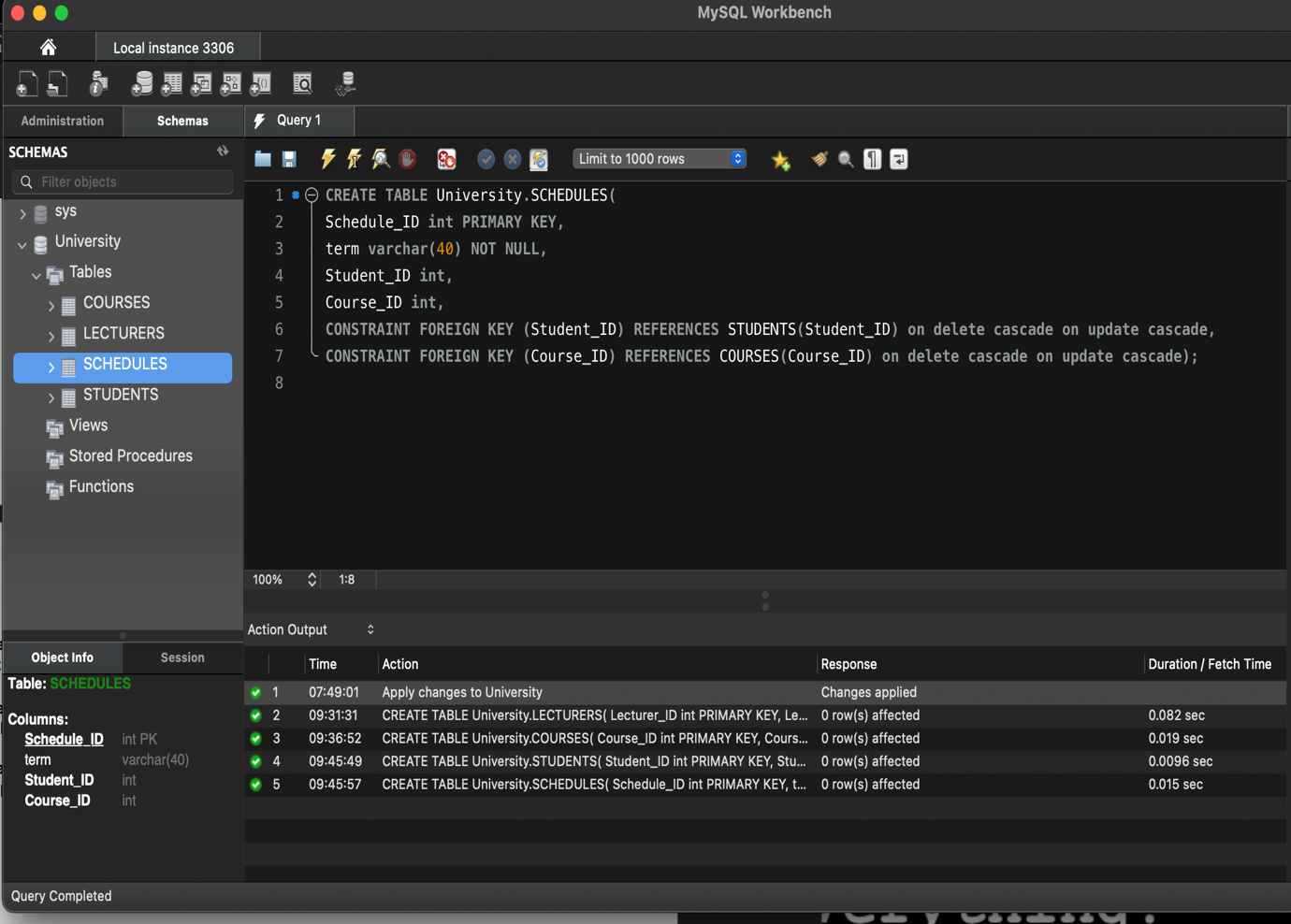
Lecturers

|  |  |  |
| --- | --- | --- |
| **Key type** | **optionality** | **Column name** |
| **PK** | **\*** | **Student\_ID** |
|  | **\*** | **Student\_Firstname** |
|  | **\*** | **Student\_last name** |
|  | **\*** | **Enrollement\_status** |
|  | **\*** | **Study\_year** |





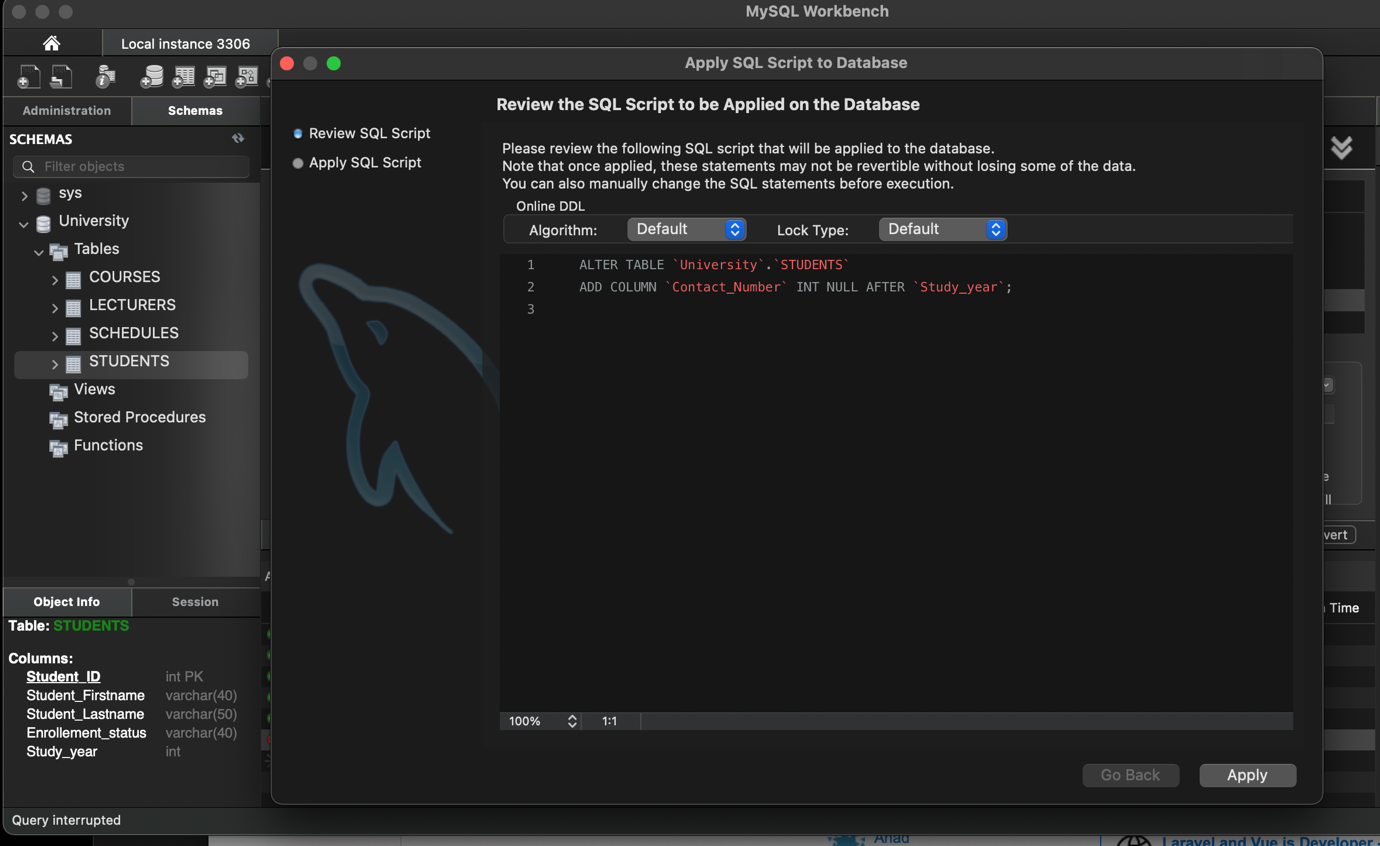


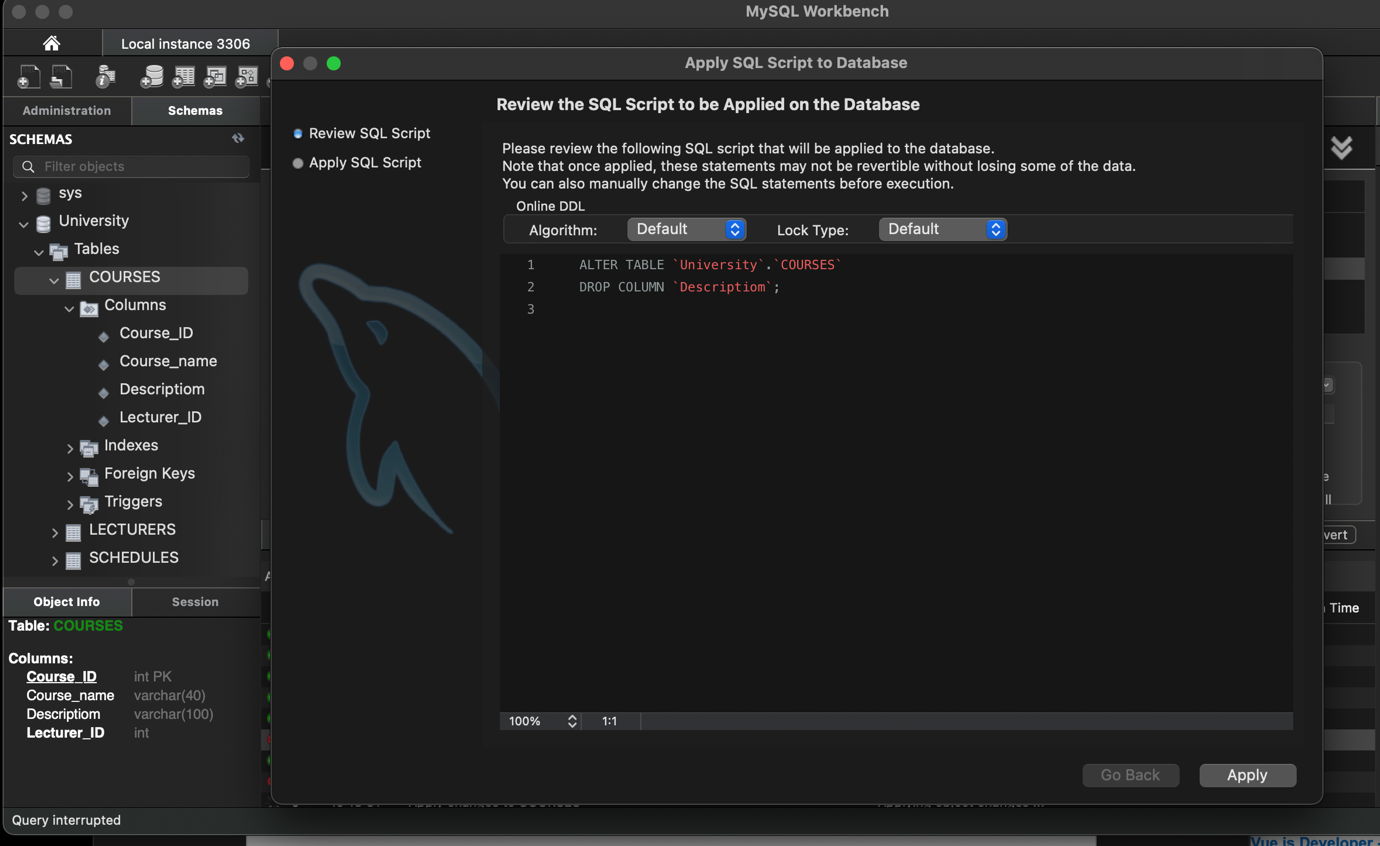


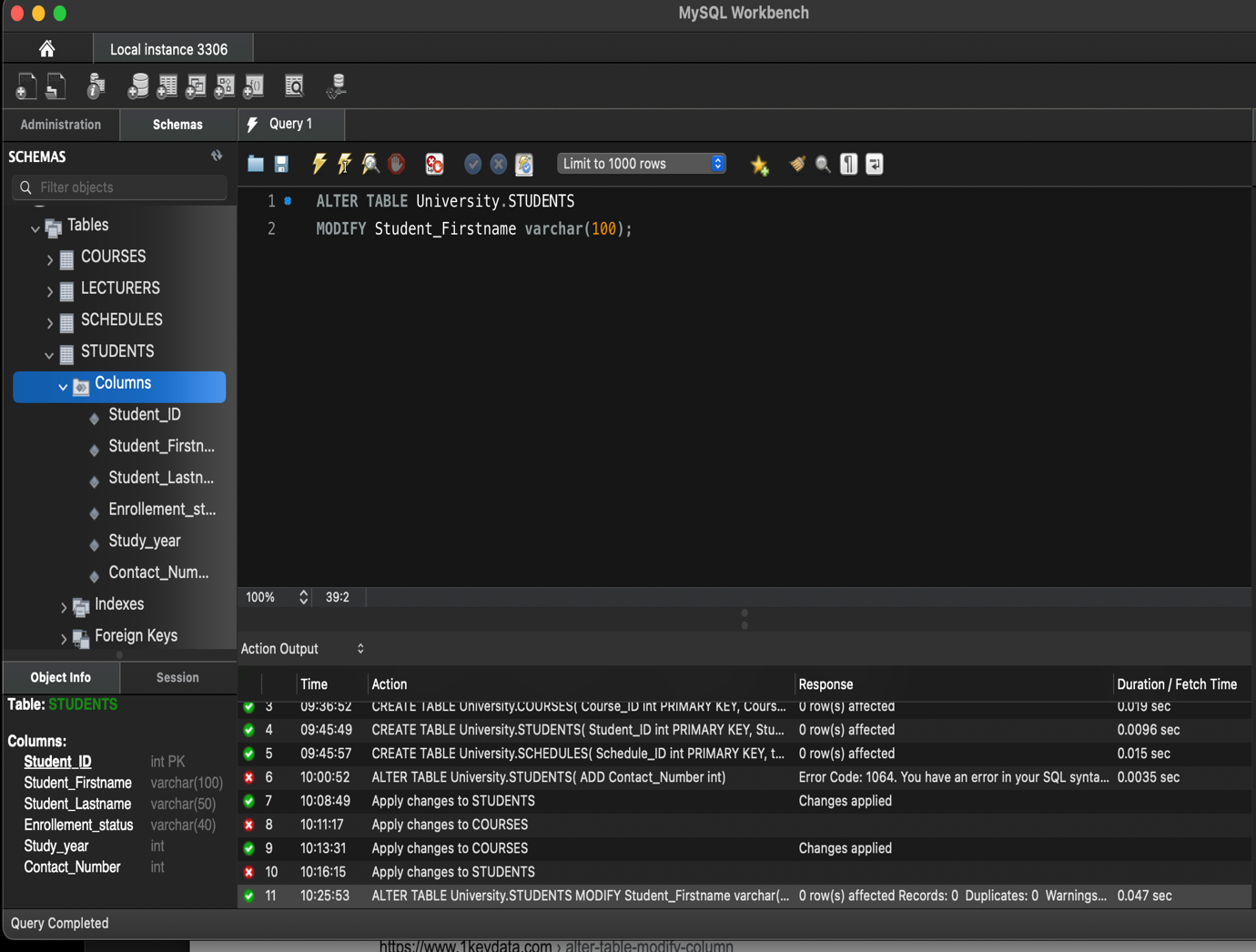
**Exercise 2: Write an SQL Statement that add a new column called “Contact\_number” to the STUDENTS table.**

**Exercise 3: Write an SQL Statement that drop the column “Description” from the table COURSES**

**Exercise 4: Write an SQL statement that changes the maximum number of character in the column “Student\_Firstname” from table STUDENT to 100.**

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