

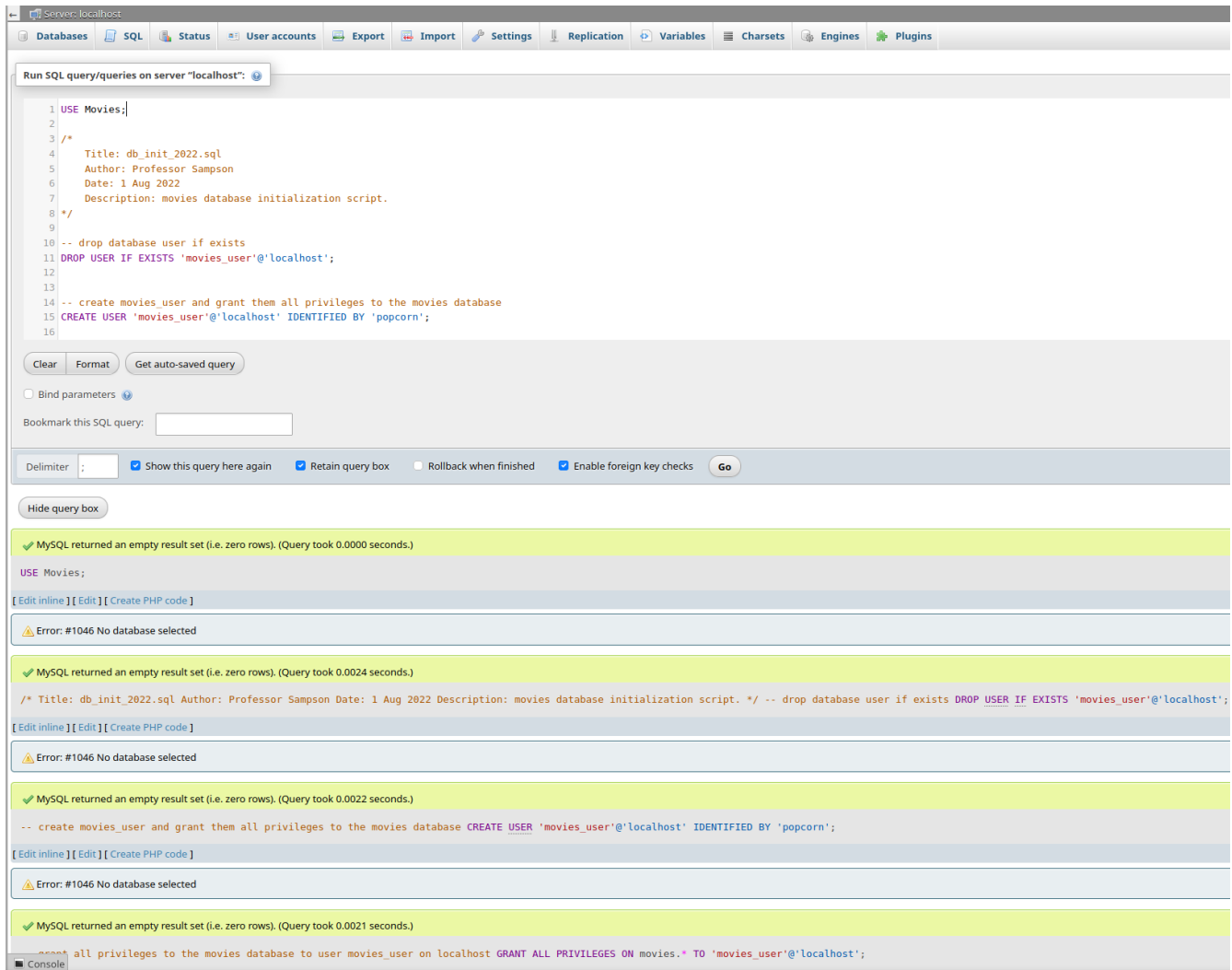
CSD310: Database Development and Use

Module 6.2 Assignment: Movies: Setup

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5. Running the SQL Script

Adjustments were made to the user creation script as there are no auth plugins installed.



The screenshot shows a MySQL command-line client window titled "Server: localhost". The interface includes a menu bar with options like Databases, SQL, Status, User accounts, Export, Import, Settings, Replication, Variables, Charsets, Engines, and Plugins. Below the menu is a toolbar with icons for running queries, saving, and other functions. The main area displays the SQL script being executed, which includes comments and commands to drop a user, create a user, and grant privileges. The script is as follows:

```
1 USE Movies;
2
3 /*
4  Title: db_init_2022.sql
5  Author: Professor Sampson
6  Date: 1 Aug 2022
7  Description: movies database initialization script.
8 */
9
10 -- drop database user if exists
11 DROP USER IF EXISTS 'movies_user'@'localhost';
12
13
14 -- create movies_user and grant them all privileges to the movies database
15 CREATE USER 'movies_user'@'localhost' IDENTIFIED BY 'popcorn';
16
```

Below the script, there are buttons for "Clear", "Format", and "Get auto-saved query". There is also a checkbox for "Bind parameters" and a "Bookmark this SQL query:" field. At the bottom of the script area, there are checkboxes for "Show this query here again", "Retain query box", "Rollback when finished", and "Enable foreign key checks", along with a "Go" button. A "Hide query box" button is also present.

The execution results are displayed in a list of messages:

- ✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0000 seconds.)
USE Movies;
- [Edit inline] [Edit] [Create PHP code]
- ⚠ Error: #1046 No database selected
- ✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0024 seconds.)
/* Title: db_init_2022.sql Author: Professor Sampson Date: 1 Aug 2022 Description: movies database initialization script. */ -- drop database user if exists DROP USER IF EXISTS 'movies_user'@'localhost';
- [Edit inline] [Edit] [Create PHP code]
- ⚠ Error: #1046 No database selected
- ✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0022 seconds.)
-- create movies_user and grant them all privileges to the movies database CREATE USER 'movies_user'@'localhost' IDENTIFIED BY 'popcorn';
- [Edit inline] [Edit] [Create PHP code]
- ⚠ Error: #1046 No database selected
- ✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0021 seconds.)
grant all privileges to the movies database to user movies_user on localhost GRANT ALL PRIVILEGES ON movies.* TO 'movies_user'@'localhost';

A "Console" tab is visible at the bottom left of the window.

Server: localhost

DatabasesSQLStatusUser accountsExportImportSettingsReplicationVariablesCharsetsEnginesPlugins

Error: #1046 No database selected

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds.)
-- drop tables if they are present DROP TABLE IF EXISTS film;
[Edit inline] [Edit] [Create PHP code]

⚠ Note: #1051 Unknown table 'Movies.film'

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds.)
DROP TABLE IF EXISTS studio;
[Edit inline] [Edit] [Create PHP code]

⚠ Note: #1051 Unknown table 'Movies.studio'

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds.)
DROP TABLE IF EXISTS genre;
[Edit inline] [Edit] [Create PHP code]

⚠ Note: #1051 Unknown table 'Movies.genre'

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0331 seconds.)
-- create the studio table CREATE TABLE studio (studio_id INT NOT NULL AUTO_INCREMENT, studio_name VARCHAR(75) NOT NULL, PRIMARY KEY(studio_id));
[Edit inline] [Edit] [Create PHP code]

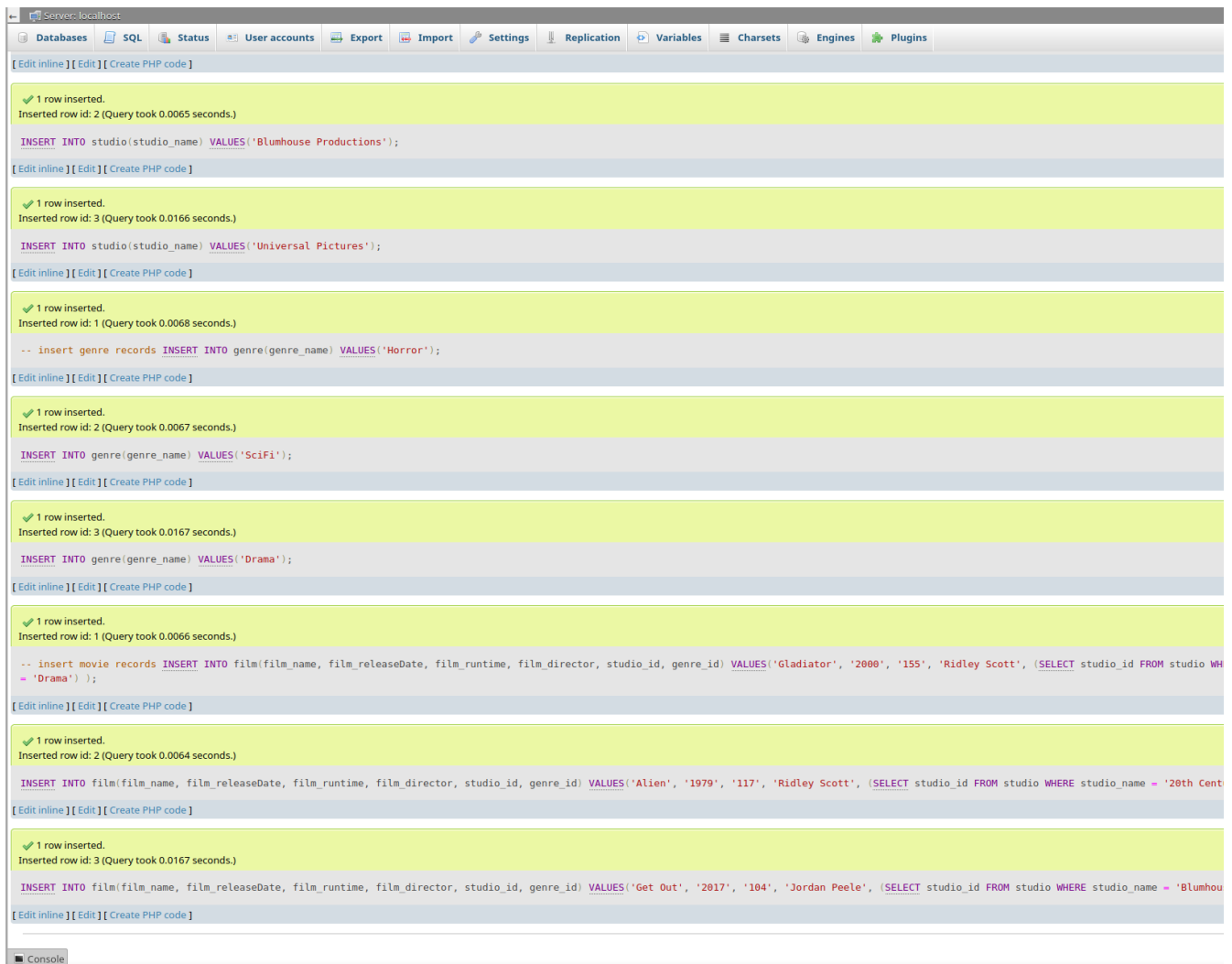
✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0300 seconds.)
-- create the genre table CREATE TABLE genre (genre_id INT NOT NULL AUTO_INCREMENT, genre_name VARCHAR(75) NOT NULL, PRIMARY KEY(genre_id));
[Edit inline] [Edit] [Create PHP code]

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0437 seconds.)
-- create the film table and set the foreign key CREATE TABLE film (film_id INT NOT NULL AUTO_INCREMENT, film_name VARCHAR(75) NOT NULL, film_releaseDate VARCHAR(5) NOT NULL, film_runtime INT NOT NULL, PRIMARY KEY(film_id), CONSTRAINT fk_studio FOREIGN KEY(studio_id) REFERENCES studio(studio_id), CONSTRAINT fk_genre FOREIGN KEY(genre_id) REFERENCES genre(genre_id));
[Edit inline] [Edit] [Create PHP code]

✔ 1 row inserted.
Inserted row id: 1 (Query took 0.0055 seconds.)
-- insert studio records INSERT INTO studio(studio_name) VALUES('20th Century Fox');
[Edit inline] [Edit] [Create PHP code]

✔ 1 row inserted.
Inserted row id: 2 (Query took 0.0065 seconds.)
INSERT INTO studio(studio_name) VALUES('Blumhouse Productions');
[Edit inline] [Edit] [Create PHP code]

Console [Edit] [Create PHP code]



Revoked privileges and ran a final “
GRANT ALL PRIVILEGES ON Movies.* TO 'movies_user'@'localhost';
” to fixup case issues on the database name.

.env was also edited to reflect ‘Movies’

6. Showing Tables

Your SQL query has been executed successfully.

SHOW TABLES;
.....

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)] [[Refresh](#)]

Extra options

Tables in Movies

film
genre
studio

9. mysql_test.py

```
(venv) [falkreon@lrce] ~/Documents/Class/DatabaseDevelopment/CSD-310/module-6 & python3 mysql_test.py
Database user movies_user connected to MySQL on host localhost with database Movies

Press any key to continue...w
```