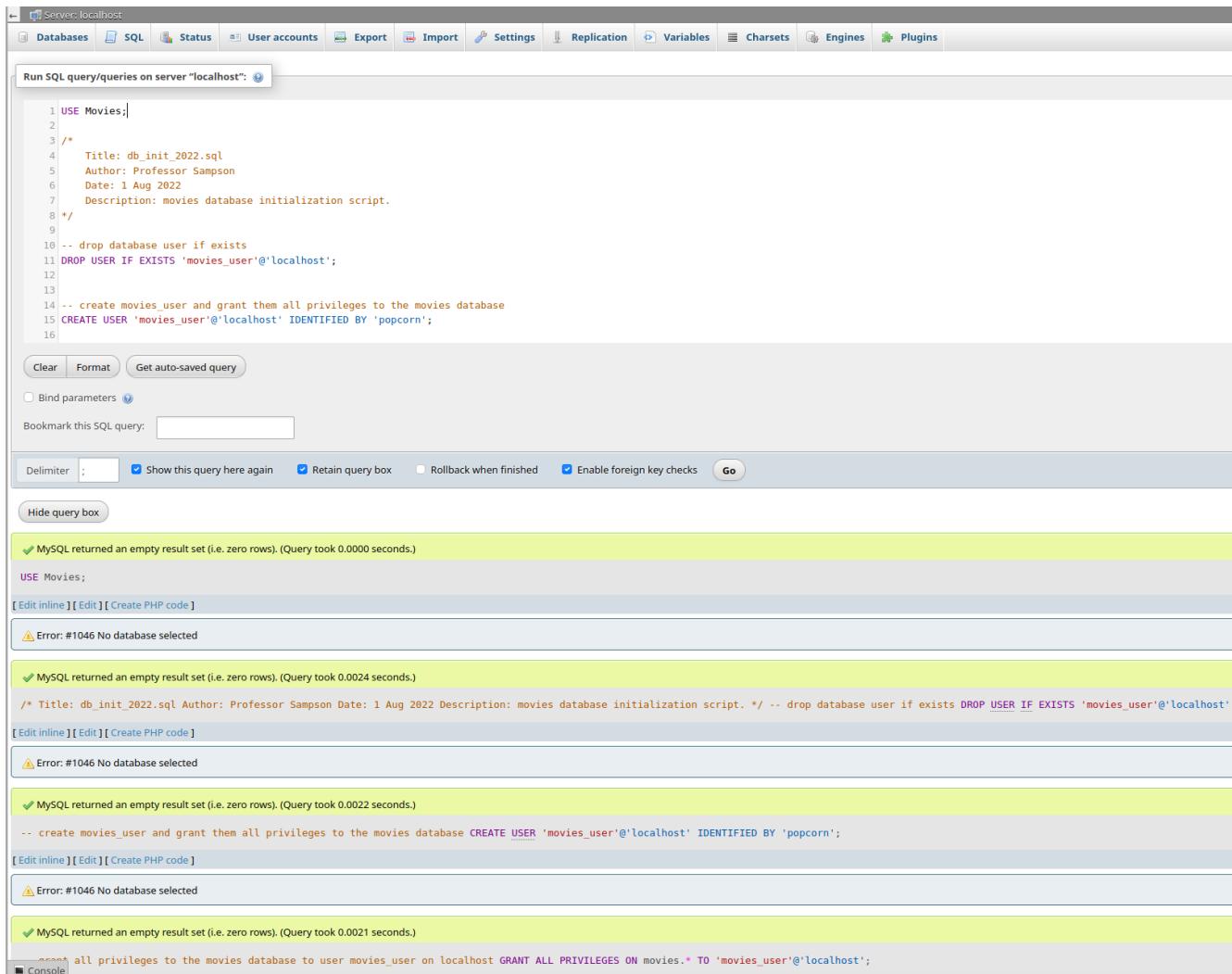


CSD310: Database Development and Use
Module 6.2 Assignment: Movies: Setup
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5. Running the SQL Script

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



The screenshot shows the MySQL Workbench interface with a query editor window. The query being run is:

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

Below the query, several status indicators are visible:

- Bind parameters
- Bookmark this SQL query: [input field]
- Delimiter: ;
- Show this query here again
- Retain query box
- Rollback when finished
- Enable foreign key checks
-

The results pane displays the following 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';

Server: localhost

Databases SQL Status User accounts Export Import Settings Replication VariablesCharsets Engines Plugins

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');
```

Console [Edit] [Create PHP code]

The screenshot shows a MySQL Workbench interface with a series of successful SQL insert operations:

- studio Table:**

```
INSERT INTO studio(studio_name) VALUES('Blumhouse Productions');
```
- genre Table:**

```
INSERT INTO genre(genre_name) VALUES('Universal Pictures');
```
- genre Table:**

```
-- insert genre records
INSERT INTO genre(genre_name) VALUES('Horror');
```
- genre Table:**

```
INSERT INTO genre(genre_name) VALUES('SciFi');
```
- genre Table:**

```
INSERT INTO genre(genre_name) VALUES('Drama');
```
- film Table:**

```
-- insert movie records
INSERT INTO film(film_name, film_releaseDate, film_runtime, film_director, studio_id, genre_id) VALUES('Gladiator', '2000', '155', 'Ridley Scott', (SELECT studio_id FROM studio WHERE studio_name = 'Drama'));
```
- film Table:**

```
INSERT INTO film(film_name, film_releaseDate, film_runtime, film_director, studio_id, genre_id) VALUES('Alien', '1979', '117', 'Ridley Scott', (SELECT studio_id FROM studio WHERE studio_name = '20th Century Fox'));
```
- film Table:**

```
INSERT INTO film(film_name, film_releaseDate, film_runtime, film_director, studio_id, genre_id) VALUES('Get Out', '2017', '104', 'Jordan Peele', (SELECT studio_id FROM studio WHERE studio_name = 'Blumhouse Productions'));
```

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@arche] ~/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
```