Gabriel Pedraza Torres
2/04/2023

Database Dev & Use
Module 6.2 Assignment:
Movies – Set up

Activating the database and running the initialization script provided by Professor Sampson (Parts 1 – 3)

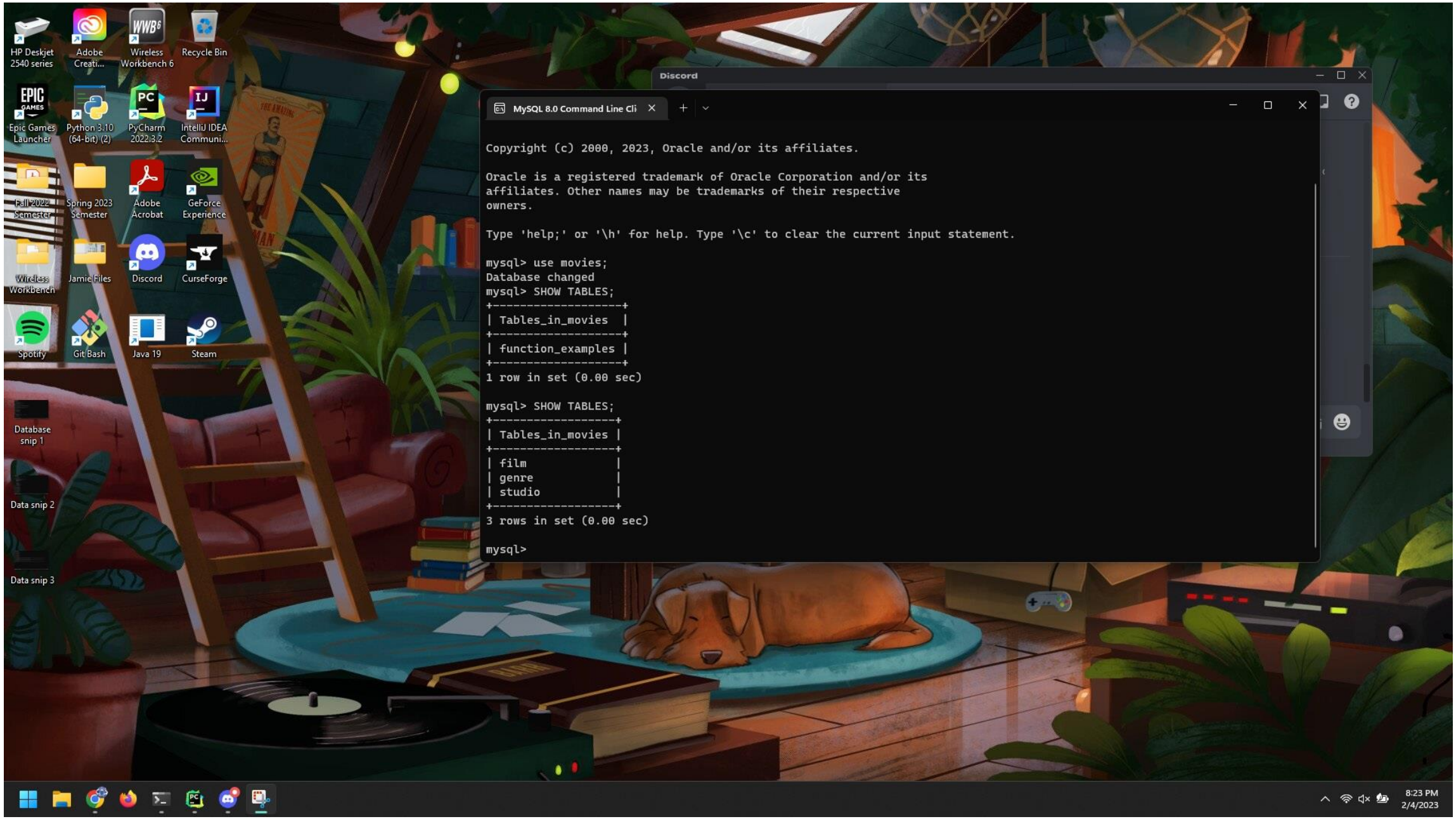
```
mysql> use movies
Database changed
mysql> /*
   /*>     Title: db_init_2022.sql
   /*>     Author: Professor Sampson
   /*>     Date: 1 Aug 2022
   /*>     Description: movies database initialization script.
   /*> */
mysql>
mysql> -- drop database user if exists
mysql> DROP USER IF EXISTS 'movies_user'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql>
mysql> -- create movies_user and grant them all privileges to the movies database
mysql> CREATE USER 'movies_user'@'localhost' IDENTIFIED WITH mysql_native_password BY 'popcorn';
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql> -- grant all privileges to the movies database to user movies_user on localhost
mysql> GRANT ALL PRIVILEGES ON movies.* TO 'movies_user'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql>
mysql> -- drop tables if they are present
mysql> DROP TABLE IF EXISTS film;
Query OK, 0 rows affected (0.01 sec)

mysql> DROP TABLE IF EXISTS studio;
Query OK, 0 rows affected (0.01 sec)

mysql> DROP TABLE IF EXISTS genre;
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql>
mysql>
mysql>
mysql> -- create the studio table
mysql> CREATE TABLE studio (
    ->     studio_id     INT             NOT NULL        AUTO_INCREMENT,
    ->     studio_name   VARCHAR(75)     NOT NULL,
    ->
    ->     PRIMARY KEY(studio_id)
    -> );
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> -- create the genre table
```

MySQL 8.0 Command Line Cli

```
mysql> CREATE TABLE genre (
    ->     genre_id     INT             NOT NULL        AUTO_INCREMENT,
    ->     genre_name   VARCHAR(75)     NOT NULL,
    ->
    ->     PRIMARY KEY(genre_id)
    -> );
Query OK, 0 rows affected (0.01 sec)

mysql> -- create the film table and set the foreign key
mysql> 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,
    ->  film_director VARCHAR(75) NOT NULL,
    ->  studio_id INT NOT NULL,
    ->  genre_id 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)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql>
mysql>
mysql> -- insert studio records
mysql> INSERT INTO studio(studio_name)
    ->     VALUES('20th Century Fox');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO studio(studio_name)
    ->     VALUES('Blumhouse Productions');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO studio(studio_name)
    ->     VALUES('Universal Pictures');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> -- insert genre records
mysql> INSERT INTO genre(genre_name)
```

```
mysql>
mysql> -- insert genre records
mysql> INSERT INTO genre(genre_name)
    ->     VALUES('Horror');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO genre(genre_name)
    ->     VALUES('SciFi');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO genre(genre_name)
    ->     VALUES('Drama');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> -- insert movie records
mysql>  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 = 'Universal Pictures'),(SELECT genre_id FROM genre WHERE genre_name = 'Drama') );
Query OK, 1 row affected (0.00 sec)

mysql> 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'),(SELECT genre_id FROM genre WHERE genre_name = 'SciFi') );
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> 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'),(SELECT genre_id FROM genre WHERE genre_name = 'Horror') );
Query OK, 1 row affected (0.02 sec)

mysql>
mysql>
```

Displaying the tables located in the movie database via the SHOW TABLES command. I changed them in workbench to better match the module's content.



Database connection program, the script being provided in the module. It is being run through PyCharm.