Assignment 3
CS3563: DBMS II
April 8th, 2021

This assignment is in continuation of Assignment 1 and 2. For the relational tables created in the assignment 2 as per the ER diagram designed in assignment 1, you will have to write the following queries:

1- Write a query to find the list of movies that are directed by at least 2 directors. 2-

Find all the actors that made more movies with Zack Snyder than any other director. 3-

Find the movie that has won fewer than 2 awards.

4- Find the pair of actor and movie director, provided that the movie done by them has a rating above 7 and movie done by the pair should be at most 2.

5- Find the name of the TV series which aired for the longest duration.

6- Find the name of the director who directed the 2nd shortest movie in the year 2020.

7- Print the adult movie and adult TV series with the lowest average rating.

8- Print the Top 5 directors based on their average rating of all the movies he/she has directed. (In case of equal print all.)

9- Print TV series produced by 2 or more production companies and same has been released in at least 3 different countries.

10- Print the name of the actors in the decreasing order of the year of their Oscar wins .

11- You want to make a movie and you are searching for the best director. List the directors in descending order of their score based on their experience and average movie ratings. Note the score is defined as **Score = 0.3*experience + 0.7*average movie ratings** where,
   ● experience = number of movies for which he/she worked as director or asst director. ●
   Average movie ratings = 0.8*average movie ratings(worked as director) + 0.2* average movie ratings(worked as asst-director).

12- For each genre, print the top 5 movie names and its director name based on

their earnings(box office collection - movie budget).
13- Print actors who have worked in movies as well as TV series.

14- Print the shortest TV episode for each year.

15- You want to suggest some good movies to your friends. Genre wise print the top 3 rated movies.

16- Find the movies and TV series who have filmed in Switzerland. A TV series can be counted as filmed in a country if there exists at least one episode filmed in that country.

17- List all movies who have A certificate in the same location in the year

1995. 18- For each profession print the youngest one.

19- Print all the music technicians(soundtrack producers) who have worked for at least 5 movies.

20- Print the actor's name who has worked in as many movies as the number of crew members in the movie titled: (Put any movie as you wish).

Please note that you may not have the data required for querying all of the above questions. In such cases you may just write the query without printing the results. In all other cases please attach the results obtained in a report file. Also, please mention for each question if there are any particular modifications/assumptions taken or any peculiar results observed.

Submission Format:
You should submit the sql file(containing the queries) and the report(in pdf format). Submit a zip file named as <Group-No>_assgn3.zip. For example, if your group number is 3 then submit your file as 3_assgn3.zip. Single submission per group is enough.