

ITCS393 Database Systems Lab

Lab11 Exercise

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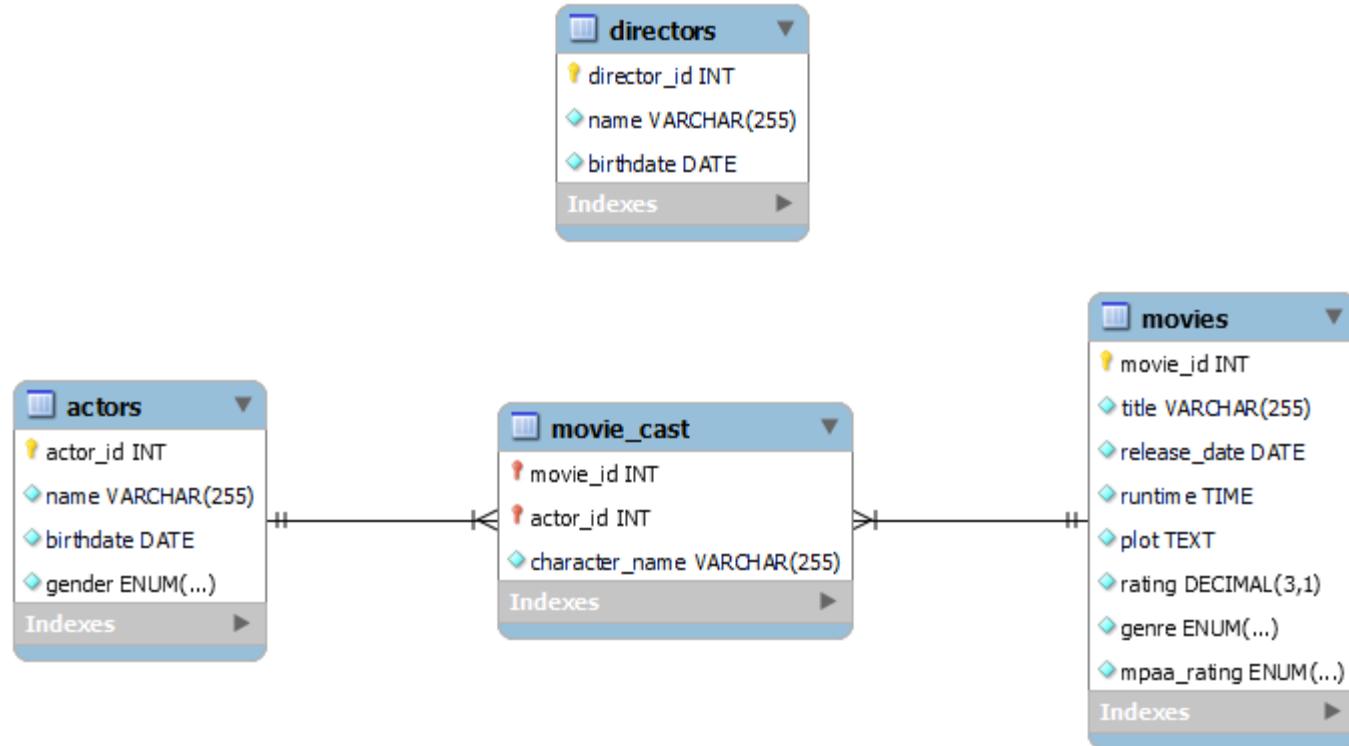
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Lab11 Exercise-use MovieTesting Database

Use to answer all question in PART 1 (5 questions)



MovieTeting (Schema): <https://pastebin.com/YPxzbwLf>

MovieTestingData (Data) : <https://pastebin.com/Qx2AmrHM>

Lab11 Exercise (cont.)

- Instructions

1. Write the SQL commands to answer all questions
2. Save your final SQL script rename it as
“L11grYidxx88xxx.sql”.
 - Y is your study Group
 - xx88xxx is your student ID
3. Submit the SQL file on Mycourses.

Lab11 Exercise (cont.)

1. Show all title of movies and runtime in the database that have a runtime of over 2 hours?

-- Expected Output --

title	runtime
Inception	02:28:00
The Dark Knight	02:32:00
Forrest Gump	02:22:00
Titanic	03:15:00

Lab11 Exercise (cont.)

2. Write a query to show name and id of the actor who played the character "Jenny Curran" in the movie "Forrest Gump"?

-- Expected Output --

actor_id	name
4	Kate Winslet

Lab11 Exercise (cont.)

3. Write a sql command to show *movie_id*, *title*, and *release_date* of all movies that release before 2009;

-- Expected Output --

movie_id	title	release_date
2	The Dark Knight	2008-07-18
3	Forrest Gump	1994-07-06
4	Titanic	1997-12-19

Lab11 Exercise (cont.)

4. Write a sql command to calculate average age of all actors in the database.

-- Expected Output --

average_age

52.6000

Lab11 Exercise (cont.)

5. Write a sql command to find average runtime of all movies in the database.

-- Expected Output --

average_runtime

02:29:48.0000

Lab11 Exercise (cont.)

6.
 - Write a query to create table Q1 with the following fields userId char(36), firstName nvarchar(20), lastName nvarchar(20).
 - Write two queries to insert you and your friend data into table **Q1** with **a random generate** on userId. (using [UUID_SHORT\(\)](#))
 - From Q1, select firstname, lastname and present these data in one column called fullname with a single space between them, as well as, count total characters of fullname.
 - Write a query to create table Q2 with the following fields Uname nvarchar(32), Upass binary(64).
 - Write a query to insert your username e.g., uxx88xxx and password '123456' data into table Q2. To insert into a password field, you need to encode it first using HASH function with MD5 encoding format.