Lab 11
PL/SQL

CSE 4308
DATABASE MANAGEMENT SYSTEMS LAB
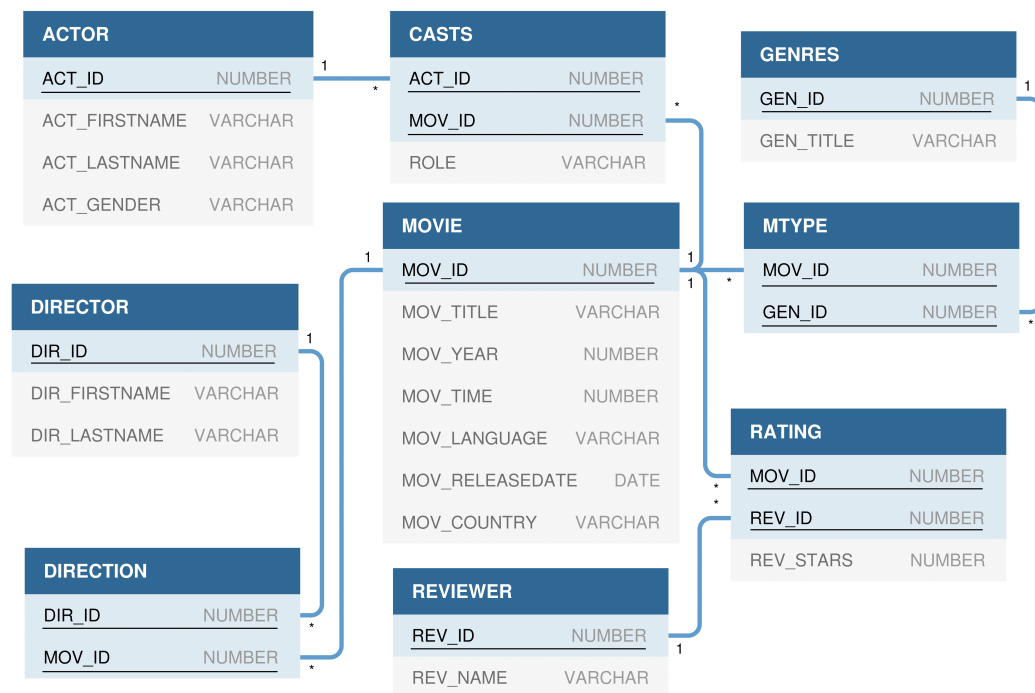
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1 Lab Task

Figure 1: ER Diagram for a movie database

Consider the following schema for a movie database. Execute the provided "`movie.sql`" file and answer the following questions:

1. Write a procedure to that will take a mov_title and show the require time (–hour –minute) to play that movie in a cinema hall. Let say, there will be an intermission of 15 minutes after each 70 minutes only if the remaining time of the movie is greater than 30 minutes.

2. Write a procedure to find the N top-rated movies (average rev_stars of a movie is higher than other movies). The procedure will take N as input and print the mov_title upto N movies. If N is greater then the number of movies, then it will print an error message.

3. Suppose, there is a scheme that for each rev_stars greater than or equal to 6, a movie will receive $10. Now write a function to calculate the yearly earning (total earning /year in between current date and release date) of a movie that is obtained from user review.

Table 1: Movie Category Table for Question 4.

Genre Status	Review Count	Average Rating [avg of rev_stars]
Widely Watched	>avg review count of different genres	<avg rating of different genres
Highly Rated	<avg review count of different genres	>avg rating of different genres
People's Favorite	>avg review count of different genres	>avg rating of different genres
So So	otherwise	

4. Write a function, that given a genre (gen_id) will return genre status, additionally the review count and average rating of that genre.

5. Write a function, that given two dates will return the most frequent genre of that time (according to movie count) along with the count of movies under that genre which had been released in the given time range .

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