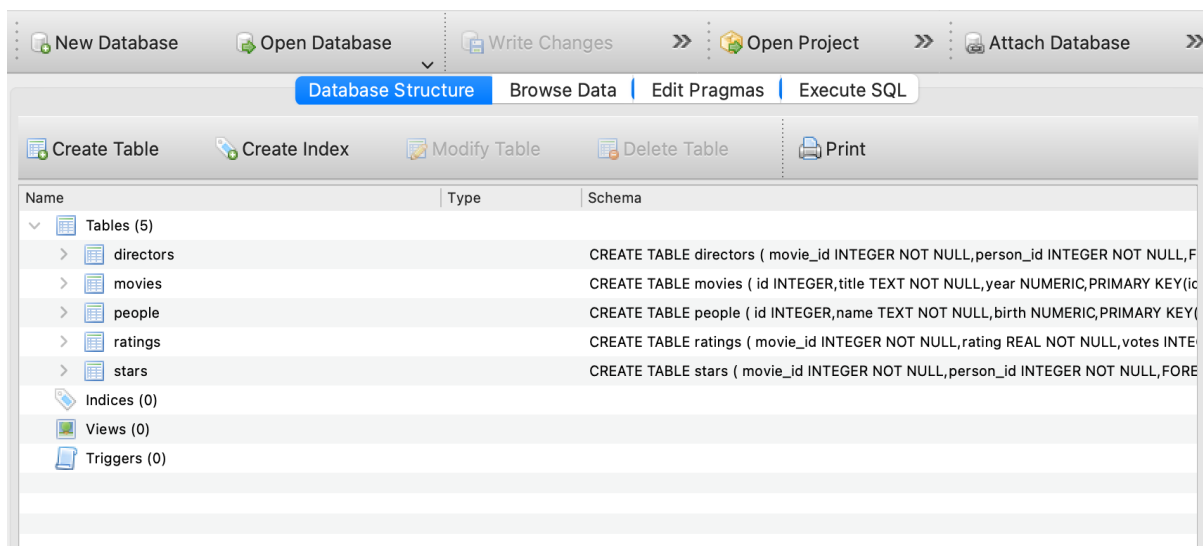</talentlabs>

Lab Assignment 5 - SELECT Queries with Conditions

Instructions

1. Answer the below question in the boxes.
2. Please submit the assignment through TalentLabs Learning System.

Open the Movies database

Follow the step illustrated in Chapter 3 to open the Movies database using DB Browser for SQLite. You should see 5 tables in the database.

visit out page:
www.talentlabs.org

contact us:
learn@talentlabs.org

19, Jalan USJ Heights 1/1B,
USJ Avenue, Subang Jaya, MY

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Query Exercises

For the exercises below, please write the required query and **test in DB Browser for SQLite**. When you succeed, please copy and paste the query you used in the answer box. You can reference the "Expected Output" for what is expected to come out from your query execution.

1. Write a SQL query to list the titles of all movies released in 1990.
   Expected Output: a table with a single column for the title of each movie.

   SELECT title FROM movies WHERE year = 1990

2. Write a SQL query to determine the birth year of Benedict Cumberbatch. You may assume that there is only one person in the database with the name Benedict Cumberbatch.

   Expected Output: a table with a single column and a single row (plus optional header) containing Benedict Cumberbatch's birth year.

   SELECT birth AS Birth_year FROM people WHERE name = 'Benedict Cumberbatch'

3. Write a SQL query to list the titles of all movies with a release date on or after 2000, in alphabetical order.

   Expected Output: a table with a single column for the title of each movie.

   SELECT title FROM movies WHERE year >= 2000 ORDER BY title

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4. Write a SQL query to determine the number of movies with an IMDb rating > 9.8.

    Expected Output: a table with a single column and a single row (plus optional header) containing the number of movies higher than 9.8 rating.

    ```
    SELECT COUNT(*) AS Total_Movies_Rating FROM ratings WHERE rating > 9.8
    ```

5. Write a SQL query to list the titles and release years of all Captain America movies, in chronological order.
    You may assume that the title of all Captain America movies will begin with the words "Captain America", and that if a movie title begins with the words "Captain America", it is a Captain America movie.

    Expected Output: a table with two columns, one for the title of each movie and one for the release year of each movie.

    ```
    SELECT title,year FROM movies WHERE title LIKE 'Captain America%' ORDER BY year ASC
    ```

- End of Assignment -