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Database 2 Assignment 1

Queries

Find the titles of all movies directed by Steven Spielberg

SELECT title FROM movies WHERE director = “Steven Spielberg”;

Find all years that have a movie that received a rating of 4 or 5

SELECT DISTINCT movie.year FROM movie JOIN rating ON movie.mID = rating.mID WHERE rating.stars = 5 OR rating.stars = 5 ORDER BY movie.year;

Find the titles of all movies that have no rating

SELECT title FROM movie WHERE mID NOT IN (SELECT mID FROM rating);

Dome revievers didn’t provide a date with their rating. Find the names of all reviewers who have a rating with a NULL value for the date.

SELECT reviewer.name FROM reviewer JOIN rating ON rating.rID = reviewer.rID WHERE rating.ratingDate IS NULL;

Write a query to return the ratings data in a more readable format: reviewer name, movie title, stars and ratingDate. Also, sort the data, first by the reviewer name, then by movie title and lastly by number of stars

SELECT reviewer.name, movie.title. rating.stars, rating.ratingDate FROM rating JOIN reviewer ON reviewer.rID = rating.rID JOIN movie ON movie.mID = rating.mID ORDER BY reviewer.name, movie.title, rating.stars DESC;

For all cases where the same reviewer rated the same movie twice and game it a higher rating the second time, return the reviewer’s name and the title of the movie

SELECT movie.title, reviewer.name FROM rating AS r1 JOIN rating AS r2 ON r1.mID = r2.mID JOIN movie ON r1.mID = movie.mID JOIN reviewer ON r1.rID = reviewer.rID WHERE r1.stars > r2.stars AND r1.mID = r2.mID AND r1.rID = r2.rID AND r1.ratingDate > r2.ratingDate;

For each movie that has at least one rating, find the highest number of starts that movie received. Return the move title and number of stars. Sort by movie title.