MySQL Solutions

Exercise 1
Find the titles of all movies directed by Steven Spielberg.

Solution:
SELECT title FROM Movie WHERE director = 'Steven Spielberg'

Exercise 2
Get the mID and ratingDate of all movies that received a rating of 4 or 5, and sort them in increasing order of ratingDate.

Solution:
SELECT mID, ratingDate FROM Rating WHERE stars >= 4 ORDER BY ratingDate ASC

Exercise 3
Some reviewers didn't provide a date with their rating. Find the rID of all reviewers who have ratings with a NULL value for the date.

Solution:
SELECT rID FROM Rating WHERE ratingDate IS NULL

Exercise 4
For the ratings from exercise 4, set the date to '0000-00-00'.

Solution:
UPDATE Rating SET ratingDate = '0000-00-00' WHERE ratingDate IS NULL

Exercise 5
Insert the following movies into the Movie table:

<table>
<thead>
<tr>
<th>mID</th>
<th>title</th>
<th>year</th>
<th>director</th>
</tr>
</thead>
<tbody>
<tr>
<td>109</td>
<td>The Shawshank Redemption</td>
<td>1994</td>
<td>Frank Darabont</td>
</tr>
<tr>
<td>110</td>
<td>The Dark Knight</td>
<td>2008</td>
<td>Christopher Nolan</td>
</tr>
</tbody>
</table>
Solution:

INSERT INTO Movie VALUES
(109, 'The Shawshank Redemption', 1994, 'Frank Darabont'),
(110, 'The Dark Knight', 2008, 'Christopher Nolan')

Exercise 6
Get the movie title and number of stars for every rating.

Solution:

SELECT title, stars FROM Movie JOIN Rating ON Movie.mID = Rating.mID

Exercise 7
Find the titles of all movies that have no ratings.

Solution:

SELECT title FROM Movie m LEFT JOIN Rating r ON m.mID = r.mID WHERE r.rID IS NULL

Exercise 8
Delete the movies you added in exercise 5.

Solution:

DELETE FROM Movie WHERE mID IN (109, 110)