



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:

| mID | title | year | director |
|-----|--------------------------|------|-------------------|
| 109 | The Shawshank Redemption | 1994 | Frank Darabont |
| 110 | The Dark Knight | 2008 | Christopher Nolan |

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)
```