Table creation code

**CREATE** **TABLE** Movies (

**Code** INTEGER **PRIMARY** **KEY**,

Title VARCHAR(255) **NOT** NULL,

Rating VARCHAR(255)

);

**CREATE** **TABLE** MovieTheaters (

**Code** INTEGER **PRIMARY** **KEY**,

**Name** VARCHAR(255) **NOT** NULL,

Movie INTEGER,

**FOREIGN** **KEY** (Movie) **REFERENCES** Movies(**Code**)

) **ENGINE**=INNODB;

## Sample dataset

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(9,'Citizen King','G');

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(1,'Citizen Kane','PG');

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(2,'Singin'' in the Rain','G');

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(3,'The Wizard of Oz','G');

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(4,'The Quiet Man',**NULL**);

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(5,'North by Northwest',**NULL**);

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(6,'The Last Tango in Paris','NC-17');

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(7,'Some Like it Hot','PG-13');

**INSERT** **INTO** Movies(Code,Title,Rating) **VALUES**(8,'A Night at the Opera',**NULL**);

**INSERT** **INTO** MovieTheaters(Code,Name,Movie) **VALUES**(1,'Odeon',5);

**INSERT** **INTO** MovieTheaters(Code,Name,Movie) **VALUES**(2,'Imperial',1);

**INSERT** **INTO** MovieTheaters(Code,Name,Movie) **VALUES**(3,'Majestic',**NULL**);

**INSERT** **INTO** MovieTheaters(Code,Name,Movie) **VALUES**(4,'Royale',6);

**INSERT** **INTO** MovieTheaters(Code,Name,Movie) **VALUES**(5,'Paraiso',3);

**INSERT** **INTO** MovieTheaters(Code,Name,Movie) **VALUES**(6,'Nickelodeon',**NULL**);

Exercises

1. Select the title of all movies.

2. Show all the distinct ratings in the database.

3. Show all unrated movies.

4. Select all movie theaters that are not currently showing a movie.

5. Select all data from all movie theaters and, additionally, the data from the movie that is being shown in the theater (if one is being shown).

6. Select all data from all movies and, if that movie is being shown in a theater, show the data from the theater.

7. Show the titles of movies not currently being shown in any theaters.

8. Add the unrated movie "One, Two, Three".

9. Set the rating of all unrated movies to "G".

10. Remove movie theaters projecting movies rated "NC-17".