**create** **database** moviedb;

**use** moviedb;

**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)

) ;

**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**);

#1

**select** title **from** movies;

#2,

**select** rating **from** movies;

#3

**select** TITLE, RATING **from** movies **where** rating **IS** **NULL**;

#4

**select** name, movie **from** MovieTheaters **where** movie **is** **null**;

#5

**select** \* **from** MovieTheaters **left** **join** movies

**on** Movies.code = MovieTheaters.Movie;

#6

**select** \* **from** Movies **left** **join** movietheaters

**on** MovieTheaters.Movie = Movies.code;

#7

**select** Movies.title **from** MovieTheaters **right** **join** movies

**on** MovieTheaters.Movie = Movies.code

**where** MovieTheaters.Movie **is** **null**;

#8

**INSERT** **INTO** Movies(Code,Title,Rating) **values**(9, 'One Two Three', **NULL**);

#9

**UPDATE** Movies **SET** Rating='G' **WHERE** Rating **IS** **NULL**;

#10

**DELETE** **FROM** MovieTheaters **WHERE** Movie **IN**

(**SELECT** Code **FROM** Movies **WHERE** Rating = 'NC-17');