

CO226-Sql queries

Lab05

E/17/219

Nawarathna K.G.I.S.

Task01

Implementing the database and populating

```
CREATE DATABASE E17219Lab05;
```

```
USE E17219Lab05;
```

```
CREATE TABLE Movie(  
  MovieId INT Primary Key,  
  Title VARCHAR(30) ,  
  ReleasedYear INT,  
  Director VARCHAR(30)  
);
```

```
CREATE TABLE Reviewer(  
  ReviewerId INT Primary Key,  
  ReviewerName VARCHAR(30)  
);
```

```
CREATE TABLE Rating(  
  ReviewerId INT,  
  MovieId INT ,  
  Stars INT,  
  RatingDate DATE,  
  FOREIGN KEY (ReviewerId) REFERENCES Reviewer(ReviewerId)  
  ON UPDATE CASCADE ON DELETE CASCADE,  
  FOREIGN KEY (MovieId) REFERENCES Movie(MovieId)  
  ON UPDATE CASCADE ON DELETE CASCADE,  
  PRIMARY KEY (ReviewerId,MovieId,Stars)  
);
```

INSERT INTO Movie VALUES

(101,'Gone with the Wind',1939,'Victor Fleming'),
(102,'Star Wars',1977,'George Lucas'),
(103,'The Sound of Music',1965,'Robert Wise'),
(104,'E.T.',1982,'Steven Spielberg'),
(105,'Titanic',1997,'James Cameron'),
(106,'Snow White',1937,NULL),
(107,'Avatar',2009,'James Cameron'),
(108,'Raiders of the Lost Ark',1981,'Steven Spielberg');

INSERT INTO Reviewer VALUES

(201,'Sarah Martinez'),
(202,'Daniel Lewis'),
(203,'Brittany Harris'),
(204,'Mike Anderson'),
(205,'Chris Jackson'),
(206,'Elizabeth Thomas'),
(207,'James Cameron'),
(208,'Ashley White');

INSERT INTO Rating VALUES

(201,101,2,20110122),
(201,101,4,20110127),
(202,106,4,NULL),
(203,103,2,20110120),
(203,108,4,20110112),
(203,108,2,20110130),
(204,101,3,20110109),
(205,103,3,20110127),
(205,104,2,20110122),
(205,108,4,null),
(206,107,3,20110115),
(206,106,5,20110119),
(207,107,5,20110120),
(208,104,3,20110102);

Task 02

01.

SELECT * FROM Movie;

	MovieId	Title	ReleasedYear	Director
▶	101	Gone with the Wind	1939	Victor Fleming
	102	Star Wars	1977	George Lucas
	103	The Sound of Music	1965	Robert Wise
	104	E.T.	1982	Steven Spielberg
	105	Titanic	1997	James Cameron
	106	Snow White	1937	NULL
	107	Avatar	2009	James Cameron
	108	Raiders of the Lost Ark	1981	Steven Spielberg
*	NULL	NULL	NULL	NULL

02).

SELECT * FROM Movie WHERE Director='James Cameron';

	MovieId	Title	ReleasedYear	Director
▶	105	Titanic	1997	James Cameron
	107	Avatar	2009	James Cameron
*	NULL	NULL	NULL	NULL

03).

SELECT * FROM Movie WHERE Director='James Cameron' AND ReleasedYear>=2000 ;

	MovieId	Title	ReleasedYear	Director
▶	107	Avatar	2009	James Cameron
*	NULL	NULL	NULL	NULL

o4).

SELECT Stars FROM Rating;

	Stars
▶	2
	4
	3
	2
	3
	2
	3
	4
	5
	3
	5
	2
	4
	4

o5).

SELECT DISTINCT Stars FROM Rating;

	Stars
▶	2
	4
	3
	5

o6).

SELECT MovieId,Director FROM Movie;

	MovieId	Director
▶	101	Victor Fleming
	102	George Lucas
	103	Robert Wise
	104	Steven Spielberg
	105	James Cameron
	106	NULL
	107	James Cameron
	108	Steven Spielberg
•	NULL	NULL

o7).

SELECT MovieId,Title,ReleasedYear FROM Movie WHERE Director='Steven Spielberg';

	MovieId	Title	ReleasedYear
▶	104	E.T.	1982
	108	Raiders of the Lost Ark	1981
*	NULL	NULL	NULL

o8).

SELECT * FROM Movie CROSS JOIN Rating;

	MovieId	Title	ReleasedYear	Director	ReviewerId	MovieId	Stars	RatingDate
▶	101	Gone with the Wind	1939	Victor Fleming	201	101	2	2011-01-22
	102	Star Wars	1977	George Lucas	201	101	2	2011-01-22
	103	The Sound of Music	1965	Robert Wise	201	101	2	2011-01-22
	104	E.T.	1982	Steven Spielberg	201	101	2	2011-01-22
	105	Titanic	1997	James Cameron	201	101	2	2011-01-22
	106	Snow White	1937	NULL	201	101	2	2011-01-22
	107	Avatar	2009	James Cameron	201	101	2	2011-01-22
	108	Raiders of the Lost Ark	1981	Steven Spielberg	201	101	2	2011-01-22
	101	Gone with the Wind	1939	Victor Fleming	201	101	4	2011-01-27
	102	Star Wars	1977	George Lucas	201	101	4	2011-01-27
	103	The Sound of Music	1965	Robert Wise	201	101	4	2011-01-27
	104	E.T.	1982	Steven Spielberg	201	101	4	2011-01-27
	105	Titanic	1997	James Cameron	201	101	4	2011-01-27
	106	Snow White	1937	NULL	201	101	4	2011-01-27
	107	Avatar	2009	James Cameron	201	101	4	2011-01-27
	108	Raiders of the Lost Ark	1981	Steven Spielberg	201	101	4	2011-01-27
	101	Gone with the Wind	1939	Victor Fleming	202	106	4	NULL
	102	Star Wars	1977	George Lucas	202	106	4	NULL
	103	The Sound of Music	1965	Robert Wise	202	106	4	NULL
	104	E.T.	1982	Steven Spielberg	202	106	4	NULL
	105	Titanic	1997	James Cameron	202	106	4	NULL
	106	Snow White	1937	NULL	202	106	4	NULL
	107	Avatar	2009	James Cameron	202	106	4	NULL
	108	Raiders of the Lost Ark	1981	Steven Spielberg	202	106	4	NULL

	MovieId	Title	ReleasedYear	Director	ReviewerId	MovieId	Stars	RatingDate
▶	107	Avatar	2009	James Cameron	202	106	4	NULL
	108	Raiders of the Lost Ark	1981	Steven Spielberg	202	106	4	NULL
	101	Gone with the Wind	1939	Victor Fleming	203	103	2	2011-01-20
	102	Star Wars	1977	George Lucas	203	103	2	2011-01-20
	103	The Sound of Music	1965	Robert Wise	203	103	2	2011-01-20
	104	E.T.	1982	Steven Spielberg	203	103	2	2011-01-20
	105	Titanic	1997	James Cameron	203	103	2	2011-01-20
	106	Snow White	1937	NULL	203	103	2	2011-01-20
	107	Avatar	2009	James Cameron	203	103	2	2011-01-20
	108	Raiders of the Lost Ark	1981	Steven Spielberg	203	103	2	2011-01-20
	101	Gone with the Wind	1939	Victor Fleming	203	108	2	2011-01-30
	102	Star Wars	1977	George Lucas	203	108	2	2011-01-30
	103	The Sound of Music	1965	Robert Wise	203	108	2	2011-01-30
	104	E.T.	1982	Steven Spielberg	203	108	2	2011-01-30
	105	Titanic	1997	James Cameron	203	108	2	2011-01-30
	106	Snow White	1937	NULL	203	108	2	2011-01-30
	107	Avatar	2009	James Cameron	203	108	2	2011-01-30
	108	Raiders of the Lost Ark	1981	Steven Spielberg	203	108	2	2011-01-30
	101	Gone with the Wind	1939	Victor Fleming	203	108	4	2011-01-12
	102	Star Wars	1977	George Lucas	203	108	4	2011-01-12
	103	The Sound of Music	1965	Robert Wise	203	108	4	2011-01-12
	104	E.T.	1982	Steven Spielberg	203	108	4	2011-01-12
	105	Titanic	1997	James Cameron	203	108	4	2011-01-12
	106	Snow White	1937	NULL	203	108	4	2011-01-12

	MovieId	Title	ReleasedYear	Director	ReviewerId	MovieId	Stars	RatingDate
▶	105	Titanic	1997	James Cameron	203	108	4	2011-01-12
	106	Snow White	1937	NULL	203	108	4	2011-01-12
	107	Avatar	2009	James Cameron	203	108	4	2011-01-12
	108	Raiders of the Lost Ark	1981	Steven Spielberg	203	108	4	2011-01-12
	101	Gone with the Wind	1939	Victor Fleming	204	101	3	2011-01-09
	102	Star Wars	1977	George Lucas	204	101	3	2011-01-09
	103	The Sound of Music	1965	Robert Wise	204	101	3	2011-01-09
	104	E.T.	1982	Steven Spielberg	204	101	3	2011-01-09
	105	Titanic	1997	James Cameron	204	101	3	2011-01-09
	106	Snow White	1937	NULL	204	101	3	2011-01-09
	107	Avatar	2009	James Cameron	204	101	3	2011-01-09
	108	Raiders of the Lost Ark	1981	Steven Spielberg	204	101	3	2011-01-09
	101	Gone with the Wind	1939	Victor Fleming	205	103	3	2011-01-27
	102	Star Wars	1977	George Lucas	205	103	3	2011-01-27
	103	The Sound of Music	1965	Robert Wise	205	103	3	2011-01-27
	104	E.T.	1982	Steven Spielberg	205	103	3	2011-01-27
	105	Titanic	1997	James Cameron	205	103	3	2011-01-27
	106	Snow White	1937	NULL	205	103	3	2011-01-27
	107	Avatar	2009	James Cameron	205	103	3	2011-01-27
	108	Raiders of the Lost Ark	1981	Steven Spielberg	205	103	3	2011-01-27
	101	Gone with the Wind	1939	Victor Fleming	205	104	2	2011-01-22
	102	Star Wars	1977	George Lucas	205	104	2	2011-01-22
	103	The Sound of Music	1965	Robert Wise	205	104	2	2011-01-22
	104	E.T.	1982	Steven Spielberg	205	104	2	2011-01-22

Result 103 x

	MovieId	Title	ReleasedYear	Director	ReviewerId	MovieId	Stars	RatingDate
▶	103	The Sound of Music	1965	Robert Wise	205	104	2	2011-01-22
	104	E.T.	1982	Steven Spielberg	205	104	2	2011-01-22
	105	Titanic	1997	James Cameron	205	104	2	2011-01-22
	106	Snow White	1937	NULL	205	104	2	2011-01-22
	107	Avatar	2009	James Cameron	205	104	2	2011-01-22
	108	Raiders of the Lost Ark	1981	Steven Spielberg	205	104	2	2011-01-22
	101	Gone with the Wind	1939	Victor Fleming	205	108	4	NULL
	102	Star Wars	1977	George Lucas	205	108	4	NULL
	103	The Sound of Music	1965	Robert Wise	205	108	4	NULL
	104	E.T.	1982	Steven Spielberg	205	108	4	NULL
	105	Titanic	1997	James Cameron	205	108	4	NULL
	106	Snow White	1937	NULL	205	108	4	NULL
	107	Avatar	2009	James Cameron	205	108	4	NULL
	108	Raiders of the Lost Ark	1981	Steven Spielberg	205	108	4	NULL
	101	Gone with the Wind	1939	Victor Fleming	206	106	5	2011-01-19
	102	Star Wars	1977	George Lucas	206	106	5	2011-01-19
	103	The Sound of Music	1965	Robert Wise	206	106	5	2011-01-19
	104	E.T.	1982	Steven Spielberg	206	106	5	2011-01-19
	105	Titanic	1997	James Cameron	206	106	5	2011-01-19
	106	Snow White	1937	NULL	206	106	5	2011-01-19
	107	Avatar	2009	James Cameron	206	106	5	2011-01-19
	108	Raiders of the Lost Ark	1981	Steven Spielberg	206	106	5	2011-01-19
	101	Gone with the Wind	1939	Victor Fleming	206	107	3	2011-01-15
	102	Star Wars	1977	George Lucas	206	107	3	2011-01-15

Result 103 x

	MovieId	Title	ReleasedYear	Director	ReviewerId	MovieId	Stars	RatingDate
	102	Star Wars	1977	George Lucas	206	107	3	2011-01-15
	103	The Sound of Music	1965	Robert Wise	206	107	3	2011-01-15
	104	E.T.	1982	Steven Spielberg	206	107	3	2011-01-15
	105	Titanic	1997	James Cameron	206	107	3	2011-01-15
	106	Snow White	1937	NULL	206	107	3	2011-01-15
	107	Avatar	2009	James Cameron	206	107	3	2011-01-15
	108	Raiders of the Lost Ark	1981	Steven Spielberg	206	107	3	2011-01-15
	101	Gone with the Wind	1939	Victor Fleming	207	107	5	2011-01-20
	102	Star Wars	1977	George Lucas	207	107	5	2011-01-20
	103	The Sound of Music	1965	Robert Wise	207	107	5	2011-01-20
	104	E.T.	1982	Steven Spielberg	207	107	5	2011-01-20
	105	Titanic	1997	James Cameron	207	107	5	2011-01-20
	106	Snow White	1937	NULL	207	107	5	2011-01-20
	107	Avatar	2009	James Cameron	207	107	5	2011-01-20
	108	Raiders of the Lost Ark	1981	Steven Spielberg	207	107	5	2011-01-20
	101	Gone with the Wind	1939	Victor Fleming	208	104	3	2011-01-02
	102	Star Wars	1977	George Lucas	208	104	3	2011-01-02
	103	The Sound of Music	1965	Robert Wise	208	104	3	2011-01-02
	104	E.T.	1982	Steven Spielberg	208	104	3	2011-01-02
	105	Titanic	1997	James Cameron	208	104	3	2011-01-02
	106	Snow White	1937	NULL	208	104	3	2011-01-02
	107	Avatar	2009	James Cameron	208	104	3	2011-01-02
	108	Raiders of the Lost Ark	1981	Steven Spielberg	208	104	3	2011-01-02

9).

```
SELECT Movie.MovieId,Movie.Title,Rating.MovieId,Rating.ReviewerId,Rating.Stars
FROM Movie CROSS JOIN Rating;
```

	MovieId	Title	MovieId	ReviewerId	Stars
▶	101	Gone with the Wind	101	201	2
	102	Star Wars	101	201	2
	103	The Sound of Music	101	201	2
	104	E.T.	101	201	2
	105	Titanic	101	201	2
	106	Snow White	101	201	2
	107	Avatar	101	201	2
	108	Raiders of the Lost Ark	101	201	2
	101	Gone with the Wind	101	201	4
	102	Star Wars	101	201	4
	103	The Sound of Music	101	201	4
	104	E.T.	101	201	4
	105	Titanic	101	201	4
	106	Snow White	101	201	4
	107	Avatar	101	201	4
	108	Raiders of the Lost Ark	101	201	4
	101	Gone with the Wind	101	204	3
	102	Star Wars	101	204	3
	103	The Sound of Music	101	204	3
	104	E.T.	101	204	3
	105	Titanic	101	204	3
	106	Snow White	101	204	3
	107	Avatar	101	204	3
	108	Raiders of the Lost Ark	101	204	3

	MovieId	Title	MovieId	ReviewerId	Stars
▶	107	Avatar	101	204	3
	108	Raiders of the Lost Ark	101	204	3
	101	Gone with the Wind	103	203	2
	102	Star Wars	103	203	2
	103	The Sound of Music	103	203	2
	104	E.T.	103	203	2
	105	Titanic	103	203	2
	106	Snow White	103	203	2
	107	Avatar	103	203	2
	108	Raiders of the Lost Ark	103	203	2
	101	Gone with the Wind	103	205	3
	102	Star Wars	103	205	3
	103	The Sound of Music	103	205	3
	104	E.T.	103	205	3
	105	Titanic	103	205	3
	106	Snow White	103	205	3
	107	Avatar	103	205	3
	108	Raiders of the Lost Ark	103	205	3
	101	Gone with the Wind	104	205	2
	102	Star Wars	104	205	2
	103	The Sound of Music	104	205	2
	104	E.T.	104	205	2
	105	Titanic	104	205	2
	106	Snow White	104	205	2

Result 104 ▼

	MovieId	Title	MovieId	ReviewerId	Stars
▶		Titanic	104	205	2
	106	Snow White	104	205	2
	107	Avatar	104	205	2
	108	Raiders of the Lost Ark	104	205	2
	101	Gone with the Wind	104	208	3
	102	Star Wars	104	208	3
	103	The Sound of Music	104	208	3
	104	E.T.	104	208	3
	105	Titanic	104	208	3
	106	Snow White	104	208	3
	107	Avatar	104	208	3
	108	Raiders of the Lost Ark	104	208	3
	101	Gone with the Wind	106	202	4
	102	Star Wars	106	202	4
	103	The Sound of Music	106	202	4
	104	E.T.	106	202	4
	105	Titanic	106	202	4
	106	Snow White	106	202	4
	107	Avatar	106	202	4
	108	Raiders of the Lost Ark	106	202	4
	101	Gone with the Wind	106	206	5
	102	Star Wars	106	206	5
	103	The Sound of Music	106	206	5
	104	E.T.	106	206	5
Result 104 ✕					

	MovieId	Title	MovieId	ReviewerId	Stars
	102	Star Wars	108	203	2
	103	The Sound of Music	108	203	2
	104	E.T.	108	203	2
	105	Titanic	108	203	2
	106	Snow White	108	203	2
	107	Avatar	108	203	2
	108	Raiders of the Lost Ark	108	203	2
	101	Gone with the Wind	108	203	4
	102	Star Wars	108	203	4
	103	The Sound of Music	108	203	4
	104	E.T.	108	203	4
	105	Titanic	108	203	4
	106	Snow White	108	203	4
	107	Avatar	108	203	4
	108	Raiders of the Lost Ark	108	203	4
	101	Gone with the Wind	108	205	4
	102	Star Wars	108	205	4
	103	The Sound of Music	108	205	4
	104	E.T.	108	205	4
	105	Titanic	108	205	4
	106	Snow White	108	205	4
	107	Avatar	108	205	4
	108	Raiders of the Lost Ark	108	205	4

	MovieId	Title	MovieId	ReviewerId	Stars
▶	103	The Sound of Music	106	206	5
	104	E.T.	106	206	5
	105	Titanic	106	206	5
	106	Snow White	106	206	5
	107	Avatar	106	206	5
	108	Raiders of the Lost Ark	106	206	5
	101	Gone with the Wind	107	206	3
	102	Star Wars	107	206	3
	103	The Sound of Music	107	206	3
	104	E.T.	107	206	3
	105	Titanic	107	206	3
	106	Snow White	107	206	3
	107	Avatar	107	206	3
	108	Raiders of the Lost Ark	107	206	3
	101	Gone with the Wind	107	207	5
	102	Star Wars	107	207	5
	103	The Sound of Music	107	207	5
	104	E.T.	107	207	5
	105	Titanic	107	207	5
	106	Snow White	107	207	5
	107	Avatar	107	207	5
	108	Raiders of the Lost Ark	107	207	5
	101	Gone with the Wind	108	203	2

10).

SELECT Movie.MovieId,Title,ReviewerId,Stars FROM Movie,Rating WHERE
Movie.MovieId=Rating.MovieId;

	MovieId	Title	ReviewerId	Stars
▶	101	Gone with the Wind	201	2
	101	Gone with the Wind	201	4
	101	Gone with the Wind	204	3
	103	The Sound of Music	203	2
	103	The Sound of Music	205	3
	104	E.T.	205	2
	104	E.T.	208	3
	106	Snow White	202	4
	106	Snow White	206	5
	107	Avatar	206	3
	107	Avatar	207	5
	108	Raiders of the Lost ...	203	2
	108	Raiders of the Lost ...	203	4
	108	Raiders of the Lost ...	205	4

11).

SELECT Movie.MovieId,Title,ReviewerId,Stars FROM Movie,Rating WHERE
Movie.MovieId=Rating.MovieId AND Stars<=3;

	movieid	Title	ReviewerId	Stars
▶	101	Gone with the Wind	201	2
	101	Gone with the Wind	204	3
	103	The Sound of Music	203	2
	103	The Sound of Music	205	3
	104	E.T.	205	2
	104	E.T.	208	3
	107	Avatar	206	3
	108	Raiders of the Lost Ark	203	2

12).

SELECT Movie.MovieId,Title,ReviewerId,Stars FROM Movie,Rating WHERE
Movie.MovieId=Rating.MovieId AND 2<=Stars<=4;

	movieid	Title	ReviewerId	Stars
▶	101	Gone with the Wind	201	2
	101	Gone with the Wind	201	4
	101	Gone with the Wind	204	3
	103	The Sound of Music	203	2
	103	The Sound of Music	205	3
	104	E.T.	205	2
	104	E.T.	208	3
	106	Snow White	202	4
	106	Snow White	206	5
	107	Avatar	206	3
	107	Avatar	207	5
	108	Raiders of the Lost ...	203	2
	108	Raiders of the Lost ...	203	4
	108	Raiders of the Lost ...	205	4

13).

SELECT ReviewerId,MovieId FROM Rating;

	reviewerid	movieid
►	201	101
	201	101
	204	101
	203	103
	205	103
	205	104
	208	104
	202	106
	206	106
	206	107
	207	107
	203	108
	203	108
	205	108

14).

SELECT DISTINCT ReviewerId,MovieId FROM Rating;

	reviewerid	movieid
►	201	101
	204	101
	203	103
	205	103
	205	104
	208	104
	202	106
	206	106
	206	107
	207	107
	203	108
	205	108

15).

```
SELECT Movie.MovieId,Title,Reviewer.ReviewerId,ReviewerName,Stars FROM
Movie,Reviewer,Rating
WHERE Movie.MovieId=Rating.MovieId AND
Reviewer.ReviewerId=Rating.ReviewerId;
```

	MovieId	Title	ReviewerId	ReviewerName	Stars
▶	101	Gone with the Wind	201	Sarah Martinez	2
	101	Gone with the Wind	201	Sarah Martinez	4
	101	Gone with the Wind	204	Mike Anderson	3
	103	The Sound of Music	203	Brittany Harris	2
	103	The Sound of Music	205	Chris Jackson	3
	104	E.T.	205	Chris Jackson	2
	104	E.T.	208	Ashley White	3
	106	Snow White	202	Daniel Lewis	4
	106	Snow White	206	Elizabeth Thomas	5
	107	Avatar	206	Elizabeth Thomas	3
	107	Avatar	207	James Cameron	5
	108	Raiders of the Lost ...	203	Brittany Harris	2
	108	Raiders of the Lost ...	203	Brittany Harris	4
	108	Raiders of the Lost ...	205	Chris Jackson	4

16).

```
SELECT Movie.MovieId,Title,Reviewer.ReviewerId,ReviewerName,Stars FROM
Movie,Reviewer,Rating
WHERE Movie.MovieId=Rating.MovieId AND
Reviewer.ReviewerId=Rating.ReviewerId;
```

	MovieId	Title	ReviewerId	ReviewerName	Stars
▶	106	Snow White	206	Elizabeth Thomas	5
	107	Avatar	207	James Cameron	5

17).

```
SELECT Movie.MovieId,Title,Reviewer.ReviewerId,ReviewerName,Stars FROM
Movie,Reviewer,Rating
WHERE Movie.MovieId=Rating.MovieId AND
Reviewer.ReviewerId=Rating.ReviewerId AND RatingDate IS NULL;
```

	MovieId	Title	ReviewerId	ReviewerName	Stars
▶	106	Snow White	202	Daniel Lewis	4
	108	Raiders of the Lost Ark	205	Chris Jackson	4

18).

SELECT Director FROM Movie WHERE Director IS NOT NULL UNION ALL
SELECT ReviewerName FROM Reviewer;

Director
Victor Fleming
George Lucas
Robert Wise
Steven Spielberg
James Cameron
James Cameron
Steven Spielberg
Sarah Martinez
Daniel Lewis
Brittany Harris
Mike Anderson
Chris Jackson
Elizabeth Thomas
James Cameron
Ashley White

19).

SELECT * FROM Reviewer WHERE NOT (LOCATE('Martinez', ReviewerName))=0;

ReviewerId	ReviewerName
201	Sarah Martinez
NULL	NULL

20).SELECT * FROM Rating WHERE SUBSTR(RatingDate,9,11)<10;

ReviewerId	MovieId	Stars	RatingDate
204	101	3	2011-01-09
208	104	3	2011-01-02
NULL	NULL	NULL	NULL

21).

SELECT * FROM Rating WHERE DAYOFYEAR(RatingDate)<10;

ReviewerId	MovieId	Stars	RatingDate
204	101	3	2011-01-09
208	104	3	2011-01-02
NULL	NULL	NULL	NULL

22).

SELECT MovieId,RatingDate,Stars,Stars+1 FROM Rating a,Reviewer b WHERE
a.ReviewerId=b.ReviewerId AND ReviewerName='Brittany Harris';

	MovieId	RatingDate	Stars	Stars+1
▶	103	2011-01-20	2	3
	108	2011-01-30	2	3
	108	2011-01-12	4	5

23).

SELECT Title,ReviewerName,Stars FROM Movie,Reviewer,Rating WHERE
Movie.MovieId=Rating.MovieId AND Reviewer.ReviewerId=Rating.ReviewerId
ORDER BY Movie.Title;

	Title	ReviewerName	Stars
▶	Avatar	Elizabeth Thomas	3
	Avatar	James Cameron	5
	E.T.	Chris Jackson	2
	E.T.	Ashley White	3
	Gone with the Wind	Sarah Martinez	2
	Gone with the Wind	Sarah Martinez	4
	Gone with the Wind	Mike Anderson	3
	Raiders of the Lost Ark	Brittany Harris	2
	Raiders of the Lost Ark	Brittany Harris	4
	Raiders of the Lost Ark	Chris Jackson	4
	Snow White	Daniel Lewis	4
	Snow White	Elizabeth Thomas	5
	The Sound of Music	Brittany Harris	2
	The Sound of Music	Chris Jackson	3

24).

```
SELECT Title,Stars,RatingDate FROM Movie,Rating WHERE
Movie.MovieId=Rating.MovieId
ORDER BY Movie.Title ASC , Rating.Stars DESC , Rating.RatingDate DESC;
```

	Title	Stars	RatingDate
▶	Avatar	5	2011-01-20
	Avatar	3	2011-01-15
	E.T.	3	2011-01-02
	E.T.	2	2011-01-22
	Gone with the Wind	4	2011-01-27
	Gone with the Wind	3	2011-01-09
	Gone with the Wind	2	2011-01-22
	Raiders of the Lost Ark	4	2011-01-12
	Raiders of the Lost Ark	4	NULL
	Raiders of the Lost Ark	2	2011-01-30
	Snow White	5	2011-01-19
	Snow White	4	NULL
	The Sound of Music	3	2011-01-27
	The Sound of Music	2	2011-01-20

25).

```
SELECT * FROM Movie WHERE Director=(SELECT DISTINCT Director FROM
Movie,Reviewer WHERE Director = ReviewerName);
```

	MovieId	Title	ReleasedYear	Director
▶	105	Titanic	1997	James Cameron
	107	Avatar	2009	James Cameron
*	NULL	NULL	NULL	NULL