

Lab Sheet Number : 05

Topic : Writing SQL Queries – Part I

E Number: E/18/375

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TASK 1 QUERIES

1) CREATE DATABASE E18375Lab05;

2)USE E18375Lab05;

3) CREATE TABLE MOVIE

- > (MovieID INT NOT NULL,
- > Title VARCHAR(30) NOT NULL,
- > Year INT(4) NOT NULL,
- > Director VARCHAR(30) NULL,
- > PRIMARY KEY (MovieID));

4) DESCRIBE MOVIE;

5) CREATE TABLE REVIEWER

- > (
- > ReviewerID INT NOT NULL,
- > ReviewerName VARCHAR(30) NOT NULL,
- > PRIMARY KEY (ReviewerID)
- >);

6) DESCRIBE REVIEWER;

7) CREATE TABLE RATING

```
-> (  
  -> ReviewerID INT NOT NULL,  
  -> MovieID INT NOT NULL,  
  -> Stars INT NOT NULL,  
  -> RatingDate DATE NULL,  
  -> FOREIGN KEY(ReviewerID) REFERENCES REVIEWER(ReviewerID) ON  
UPDATE CASCADE ON DELETE CASCADE,  
  -> FOREIGN KEY(MovieID) REFERENCES MOVIE(MovieID) ON UPDATE  
CASCADE ON DELETE CASCADE  
  -> );
```

8) DESCRIBE RATING;

9) INSERT INTO RATING

```
-> VALUES(201,101,2,'2011-01-22'),  
-> (201,101,4,'2011-01-27'),  
-> (202,106,4,null),  
-> (203,103,2,'2011-01-20'),  
-> (203,108,4,'2011-01-12'),  
-> (203,108,2,'2011-01-30'),  
-> (204,101,3,'2011-01-09'),  
-> (205,103,3,'2011-01-27'),  
-> (205,104,2,'2011-01-22'),  
-> (205,108,4,null),  
-> (206,107,3,'2011-01-15'),  
-> (206,106,5,'2011-01-19'),  
-> (207,107,5,'2011-01-20'),  
-> (208,104,3,'2011-01-02');
```

10) SELECT *

-> FROM RATING;

TASK 01 RESULTS

```
mysql> DESCRIBE MOVIE
```

```
-> ;
```

Field	Type	Null	Key	Default	Extra
MovieID	int	NO	PRI	NULL	
Title	varchar(30)	NO		NULL	
Year	int	NO		NULL	
Director	varchar(30)	YES		NULL	

4 rows in set (0.27 sec)

```
mysql> DESCRIBE REVIEWER;
```

Field	Type	Null	Key	Default	Extra
ReviewerID	int	NO	PRI	NULL	
ReviewerName	varchar(30)	NO		NULL	

2 rows in set (0.28 sec)

```
mysql> DESCRIBE RATING;
```

Field	Type	Null	Key	Default	Extra
ReviewerID	int	NO	MUL	NULL	
MovieID	int	NO	MUL	NULL	
Stars	int	NO		NULL	
RatingDate	date	YES		NULL	

4 rows in set (0.07 sec)

```
mysql> SELECT *
-> FROM MOVIE;
```

MovieID	Title	Year	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

```
8 rows in set (0.00 sec)
```

```
mysql> SELECT *
-> FROM REVIEWER;
```

ReviewerID	ReviewerName
201	Sarah Martinez
202	Daniel Lewis
203	Brittany Harris
204	Mike Anderson
205	Chris Jackson
206	Elizabeth Thomas
207	James Cameron
208	Ashley White

```
8 rows in set (0.00 sec)
```

```
mysql> SELECT *
-> FROM RATING;
```

ReviewerID	MovieID	Stars	RatingDate
201	101	2	2011-01-22
201	101	4	2011-01-27
202	106	4	NULL
203	103	2	2011-01-20
203	108	4	2011-01-12
203	108	2	2011-01-30
204	101	3	2011-01-09
205	103	3	2011-01-27
205	104	2	2011-01-22
205	108	4	NULL
206	107	3	2011-01-15
206	106	5	2011-01-19
207	107	5	2011-01-20
208	104	3	2011-01-02

14 rows in set (0.00 sec)

TASK 02 QUERIES

1) SELECT *

-> FROM MOVIE

-> ;

2) SELECT *

-> FROM MOVIE

-> WHERE Director='James Cameron';

3) SELECT *

-> FROM MOVIE

-> WHERE Director='James Cameron' AND Year>=2000;

4) SELECT Stars

-> FROM RATING;

5) SELECT DISTINCT Stars

-> FROM RATING;

6) SELECT MovieID,Director

-> FROM MOVIE;

7) SELECT MovieID,Title,Year

-> FROM MOVIE

-> WHERE Director='Steven Spielberg';

8) > SELECT *

-> FROM MOVIE

-> CROSS JOIN RATING;

9) SELECT

MOVIE.MovieID,MOVIE.Title,RATING.MovieID,RATING.ReviewerID,RATING.Stars

-> FROM MOVIE

-> CROSS JOIN RATING;

10) SELECT MOVIE.MovieID,Title,ReviewerID,Stars

-> FROM MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID;

11) SELECT MOVIE.MovieID,Title,ReviewerID,Stars

-> FROM MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND Stars<=3;

12) SELECT MOVIE.MovieID,Title,ReviewerID,Stars

-> FROM MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND Stars<=4 AND Stars>=2;

13) SELECT REVIEWER.ReviewerID,RATING.MovieID

-> FROM REVIEWER,RATING

-> WHERE REVIEWER.ReviewerID=RATING.ReviewerID;

14) SELECT DISTINCT REVIEWER.ReviewerID,RATING.MovieID

-> FROM REVIEWER,RATING

-> WHERE REVIEWER.ReviewerID=RATING.ReviewerID;

15) SELECT MOVIE.MovieID,Title,REVIEWER.ReviewerID,ReviewerName,Stars
-> FROM MOVIE,REVIEWER,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND
REVIEWER.ReviewerID=RATING.ReviewerID;

16) SELECT MOVIE.MovieID,Title,REVIEWER.ReviewerID,ReviewerName,Stars
-> FROM MOVIE,REVIEWER,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND
REVIEWER.ReviewerID=RATING.ReviewerID AND Stars=5;

17) SELECT Title,ReviewerName,Stars
-> FROM MOVIE,REVIEWER,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND
REVIEWER.ReviewerID=RATING.ReviewerID AND RatingDate IS NULL;

18) SELECT Director AS NAME FROM MOVIE WHERE Director IS NOT NULL
-> UNION
-> SELECT ReviewerName AS NAME FROM REVIEWER WHERE ReviewerName
IS NOT NULL;

19) SELECT *
-> FROM REVIEWER
-> WHERE SUBSTR(ReviewerName,LOCATE(''
,ReviewerName)+1,LENGTH(ReviewerName)-LOCATE(' ',ReviewerName))
='Martinez';

20) SELECT *
-> FROM RATING
-> WHERE SUBSTR(RatingDate,9,2) <10;

21) SELECT *

-> FROM RATING

-> WHERE DAY(RatingDate) <10;

22) UPDATE RATING

-> SET Stars=Stars+1

-> WHERE ReviewerID=

-> (SELECT ReviewerID

-> FROM REVIEWER

-> WHERE ReviewerName='Brittany Harris');

SELECT *

-> FROM RATING

-> ;

23) SELECT Title,ReviewerName,Stars

-> from MOVIE,REVIEWER,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID AND
REVIEWER.ReviewerID=RATING.ReviewerID

-> ORDER BY Title;

24) SELECT Title,Stars,RatingDate

-> from MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID

-> ORDER BY Title;

SELECT Title,Stars,RatingDate

-> from MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID

-> ORDER BY Stars DESC;

SELECT Title,Stars,RatingDate

-> from MOVIE,RATING

-> WHERE MOVIE.MovieID=RATING.MovieID

-> ORDER BY RatingDate DESC;

25) SELECT *

-> FROM MOVIE

-> WHERE Director=

-> (SELECT DISTINCT Director

-> FROM MOVIE,REVIEWER

-> WHERE MOVIE.Director=REVIEWER.ReviewerName);

TASK 02 RESULTS

```
mysql> SELECT *
-> FROM MOVIE
-> ;
```

MovieID	Title	Year	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

8 rows in set (0.08 sec)

```
mysql> SELECT *
-> FROM MOVIE
-> WHERE Director='James Cameron';
```

MovieID	Title	Year	Director
105	Titanic	1997	James Cameron
107	Avatar	2009	James Cameron

2 rows in set (0.01 sec)

```
mysql> SELECT *
-> FROM MOVIE
-> WHERE Director='James Cameron' AND Year>=2000;
```

MovieID	Title	Year	Director
107	Avatar	2009	James Cameron

1 row in set (0.00 sec)

```
mysql> SELECT Stars
-> FROM RATING;

+-----+
| Stars |
+-----+
|      2 |
|      4 |
|      4 |
|      2 |
|      4 |
|      2 |
|      3 |
|      3 |
|      2 |
|      4 |
|      3 |
|      5 |
|      5 |
|      3 |
+-----+
14 rows in set (0.00 sec)
```

```
mysql> SELECT DISTINCT Stars
-> FROM RATING;

+-----+
| Stars |
+-----+
|      2 |
|      4 |
|      3 |
|      5 |
+-----+
4 rows in set (0.03 sec)
```

```
mysql> 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 |
+-----+-----+
8 rows in set (0.00 sec)
```

```
mysql> SELECT MovieID,Title,Year
-> FROM MOVIE
-> WHERE Director='Steven Spielberg';
```

MovieID	Title	Year
104	E.T	1982
108	Raiders of the Lost Ark	1981

2 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM MOVIE
-> CROSS JOIN RATING;
```

MovieID	Title	Year	Director	ReviewerID	MovieID	Stars	RatingDate
108	Raiders of the Lost Ark	1981	Steven Spielberg	201	101	2	2011-01-22
107	Avatar	2009	James Cameron	201	101	2	2011-01-22
106	Snow White	1937	NULL	201	101	2	2011-01-22
105	Titanic	1997	James Cameron	201	101	2	2011-01-22
104	E.T	1982	Steven Spielberg	201	101	2	2011-01-22
103	The Sound of Music	1965	Robert Wise	201	101	2	2011-01-22
102	Star Wars	1977	George Lucas	201	101	2	2011-01-22
101	Gone with the Wind	1939	Victor Fleming	201	101	2	2011-01-22
108	Raiders of the Lost Ark	1981	Steven Spielberg	201	101	4	2011-01-27
107	Avatar	2009	James Cameron	201	101	4	2011-01-27
106	Snow White	1937	NULL	201	101	4	2011-01-27
105	Titanic	1997	James Cameron	201	101	4	2011-01-27
104	E.T	1982	Steven Spielberg	201	101	4	2011-01-27
103	The Sound of Music	1965	Robert Wise	201	101	4	2011-01-27
102	Star Wars	1977	George Lucas	201	101	4	2011-01-27
101	Gone with the Wind	1939	Victor Fleming	201	101	4	2011-01-27
108	Raiders of the Lost Ark	1981	Steven Spielberg	202	106	4	NULL
107	Avatar	2009	James Cameron	202	106	4	NULL
106	Snow White	1937	NULL	202	106	4	NULL
105	Titanic	1997	James Cameron	202	106	4	NULL
104	E.T	1982	Steven Spielberg	202	106	4	NULL
103	The Sound of Music	1965	Robert Wise	202	106	4	NULL
102	Star Wars	1977	George Lucas	202	106	4	NULL
101	Gone with the Wind	1939	Victor Fleming	202	106	4	NULL
108	Raiders of the Lost Ark	1981	Steven Spielberg	203	103	2	2011-01-20
107	Avatar	2009	James Cameron	203	103	2	2011-01-20
106	Snow White	1937	NULL	203	103	2	2011-01-20
105	Titanic	1997	James Cameron	203	103	2	2011-01-20
104	E.T	1982	Steven Spielberg	203	103	2	2011-01-20
103	The Sound of Music	1965	Robert Wise	203	103	2	2011-01-20
102	Star Wars	1977	George Lucas	203	103	2	2011-01-20
101	Gone with the Wind	1939	Victor Fleming	203	103	2	2011-01-20
108	Raiders of the Lost Ark	1981	Steven Spielberg	203	108	4	2011-01-12
107	Avatar	2009	James Cameron	203	108	4	2011-01-12
106	Snow White	1937	NULL	203	108	4	2011-01-12
105	Titanic	1997	James Cameron	203	108	4	2011-01-12
104	E.T	1982	Steven Spielberg	203	108	4	2011-01-12
103	The Sound of Music	1965	Robert Wise	203	108	4	2011-01-12
102	Star Wars	1977	George Lucas	203	108	4	2011-01-12
101	Gone with the Wind	1939	Victor Fleming	203	108	4	2011-01-12

108	Raiders of the Lost Ark	1981	Steven Spielberg	205	108	4	NULL
107	Avatar	2009	James Cameron	205	108	4	NULL
106	Snow White	1937	NULL	205	108	4	NULL
105	Titanic	1997	James Cameron	205	108	4	NULL
104	E.T	1982	Steven Spielberg	205	108	4	NULL
103	The Sound of Music	1965	Robert Wise	205	108	4	NULL
102	Star Wars	1977	George Lucas	205	108	4	NULL
101	Gone with the Wind	1939	Victor Fleming	205	108	4	NULL
108	Raiders of the Lost Ark	1981	Steven Spielberg	206	107	3	2011-01-15
107	Avatar	2009	James Cameron	206	107	3	2011-01-15
106	Snow White	1937	NULL	206	107	3	2011-01-15
105	Titanic	1997	James Cameron	206	107	3	2011-01-15
104	E.T	1982	Steven Spielberg	206	107	3	2011-01-15
103	The Sound of Music	1965	Robert Wise	206	107	3	2011-01-15
102	Star Wars	1977	George Lucas	206	107	3	2011-01-15
101	Gone with the Wind	1939	Victor Fleming	206	107	3	2011-01-15
108	Raiders of the Lost Ark	1981	Steven Spielberg	206	106	5	2011-01-19
107	Avatar	2009	James Cameron	206	106	5	2011-01-19
106	Snow White	1937	NULL	206	106	5	2011-01-19
105	Titanic	1997	James Cameron	206	106	5	2011-01-19
104	E.T	1982	Steven Spielberg	206	106	5	2011-01-19
103	The Sound of Music	1965	Robert Wise	206	106	5	2011-01-19
102	Star Wars	1977	George Lucas	206	106	5	2011-01-19
101	Gone with the Wind	1939	Victor Fleming	206	106	5	2011-01-19
108	Raiders of the Lost Ark	1981	Steven Spielberg	207	107	5	2011-01-20
107	Avatar	2009	James Cameron	207	107	5	2011-01-20
106	Snow White	1937	NULL	207	107	5	2011-01-20
105	Titanic	1997	James Cameron	207	107	5	2011-01-20
104	E.T	1982	Steven Spielberg	207	107	5	2011-01-20
103	The Sound of Music	1965	Robert Wise	207	107	5	2011-01-20
102	Star Wars	1977	George Lucas	207	107	5	2011-01-20
101	Gone with the Wind	1939	Victor Fleming	207	107	5	2011-01-20
108	Raiders of the Lost Ark	1981	Steven Spielberg	208	104	3	2011-01-02
107	Avatar	2009	James Cameron	208	104	3	2011-01-02
106	Snow White	1937	NULL	208	104	3	2011-01-02
105	Titanic	1997	James Cameron	208	104	3	2011-01-02
104	E.T	1982	Steven Spielberg	208	104	3	2011-01-02
103	The Sound of Music	1965	Robert Wise	208	104	3	2011-01-02
102	Star Wars	1977	George Lucas	208	104	3	2011-01-02
101	Gone with the Wind	1939	Victor Fleming	208	104	3	2011-01-02

112 rows in set (0.00 sec)

```
mysql> SELECT MOVIE.MovieID,MOVIE.Title,RATING.MovieID,RATING.ReviewerID,RATING.Stars
-> FROM MOVIE
-> CROSS JOIN RATING;
```

MovieID	Title	MovieID	ReviewerID	Stars
108	Raiders of the Lost Ark	101	201	2
107	Avatar	101	201	2
106	Snow White	101	201	2
105	Titanic	101	201	2
104	E.T	101	201	2
103	The Sound of Music	101	201	2
102	Star Wars	101	201	2
101	Gone with the Wind	101	201	2
108	Raiders of the Lost Ark	101	201	4
107	Avatar	101	201	4
106	Snow White	101	201	4
105	Titanic	101	201	4
104	E.T	101	201	4
103	The Sound of Music	101	201	4
102	Star Wars	101	201	4
101	Gone with the Wind	101	201	4
108	Raiders of the Lost Ark	106	202	4
107	Avatar	106	202	4
106	Snow White	106	202	4
105	Titanic	106	202	4
104	E.T	106	202	4
103	The Sound of Music	106	202	4
102	Star Wars	106	202	4
101	Gone with the Wind	106	202	4
108	Raiders of the Lost Ark	103	203	2
107	Avatar	103	203	2
106	Snow White	103	203	2
105	Titanic	103	203	2
104	E.T	103	203	2
103	The Sound of Music	103	203	2
102	Star Wars	103	203	2
101	Gone with the Wind	103	203	2
108	Raiders of the Lost Ark	108	203	4
107	Avatar	108	203	4
106	Snow White	108	203	4
105	Titanic	108	203	4
104	E.T	108	203	4
103	The Sound of Music	108	203	4
102	Star Wars	108	203	4
101	Gone with the Wind	108	203	4
108	Raiders of the Lost Ark	108	203	2
107	Avatar	108	203	2
106	Snow White	108	203	2

107	Avatar	104	205	2
106	Snow White	104	205	2
105	Titanic	104	205	2
104	E.T	104	205	2
103	The Sound of Music	104	205	2
102	Star Wars	104	205	2
101	Gone with the Wind	104	205	2
108	Raiders of the Lost Ark	108	205	4
107	Avatar	108	205	4
106	Snow White	108	205	4
105	Titanic	108	205	4
104	E.T	108	205	4
103	The Sound of Music	108	205	4
102	Star Wars	108	205	4
101	Gone with the Wind	108	205	4
108	Raiders of the Lost Ark	107	206	3
107	Avatar	107	206	3
106	Snow White	107	206	3
105	Titanic	107	206	3
104	E.T	107	206	3
103	The Sound of Music	107	206	3
102	Star Wars	107	206	3
101	Gone with the Wind	107	206	3
108	Raiders of the Lost Ark	106	206	5
107	Avatar	106	206	5
106	Snow White	106	206	5
105	Titanic	106	206	5
104	E.T	106	206	5
103	The Sound of Music	106	206	5
102	Star Wars	106	206	5
101	Gone with the Wind	106	206	5
108	Raiders of the Lost Ark	107	207	5
107	Avatar	107	207	5
106	Snow White	107	207	5
105	Titanic	107	207	5
104	E.T	107	207	5
103	The Sound of Music	107	207	5
102	Star Wars	107	207	5
101	Gone with the Wind	107	207	5
108	Raiders of the Lost Ark	104	208	3
107	Avatar	104	208	3
106	Snow White	104	208	3
105	Titanic	104	208	3
104	E.T	104	208	3
103	The Sound of Music	104	208	3
102	Star Wars	104	208	3
101	Gone with the Wind	104	208	3

112 rows in set (0.00 sec)

Error 1052 (25000): Column 'MovieID' in field list is ambiguous

```
mysql> 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 Ark	203	4
108	Raiders of the Lost Ark	203	2
108	Raiders of the Lost Ark	205	4

14 rows in set (0.00 sec)

```
mysql> 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
103	The Sound of Music	203	2
108	Raiders of the Lost Ark	203	2
101	Gone with the Wind	204	3
103	The Sound of Music	205	3
104	E.T	205	2
107	Avatar	206	3
104	E.T	208	3

8 rows in set (0.00 sec)

```
mysql> SELECT MOVIE.MovieID,Title,ReviewerID,Stars
-> FROM MOVIE,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND Stars<=4 AND Stars>=2;
```

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

12 rows in set (0.00 sec)

```
mysql> SELECT REVIEWER.ReviewerID,RATING.MovieID
-> FROM REVIEWER,RATING
-> WHERE REVIEWER.ReviewerID=RATING.ReviewerID;
```

ReviewerID	MovieID
201	101
201	101
202	106
203	103
203	108
203	108
204	101
205	103
205	104
205	108
206	107
206	106
207	107
208	104

14 rows in set (0.00 sec)


```
mysql> SELECT DISTINCT REVIEWER.ReviewerID,RATING.MovieID
-> FROM REVIEWER,RATING
-> WHERE REVIEWER.ReviewerID=RATING.ReviewerID;
```

ReviewerID	MovieID
201	101
202	106
203	103
203	108
204	101
205	103
205	104
205	108
206	107
206	106
207	107
208	104

12 rows in set (0.00 sec)

```
mysql> 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 Ark	203	Brittany Harris	4
108	Raiders of the Lost Ark	203	Brittany Harris	2
108	Raiders of the Lost Ark	205	Chris Jackson	4

14 rows in set (0.00 sec)

```
mysql> SELECT MOVIE.MovieID,Title,REVIEWER.ReviewerID,ReviewerName,Stars
-> FROM MOVIE,REVIEWER,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID AND Stars=5;
```

MovieID	Title	ReviewerID	ReviewerName	Stars
106	Snow White	206	Elizabeth Thomas	5
107	Avatar	207	James Cameron	5

2 rows in set (0.00 sec)

```
mysql> SELECT Title,ReviewerName,Stars
-> FROM MOVIE,REVIEWER,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID AND RatingDate IS NULL;
```

Title	ReviewerName	Stars
Snow White	Daniel Lewis	4
Raiders of the Lost Ark	Chris Jackson	4

2 rows in set (0.00 sec)

```
mysql> SELECT Director AS NAME FROM MOVIE WHERE Director IS NOT NULL
-> UNION
-> SELECT ReviewerName AS NAME FROM REVIEWER WHERE ReviewerName IS NOT NULL;
```

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

12 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM REVIEWER
-> WHERE SUBSTR(ReviewerName,LOCATE(' ',ReviewerName)+1,LENGTH(ReviewerName)-LOCATE(' ',ReviewerName)) ='Martinez';
```

ReviewerID	ReviewerName
201	Sarah Martinez

1 row in set (0.00 sec)

```
mysql> SELECT *
-> FROM RATING
-> WHERE SUBSTR(RatingDate,9,2) <10;
```

ReviewerID	MovieID	Stars	RatingDate
204	101	3	2011-01-09
208	104	3	2011-01-02

2 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM RATING
-> WHERE DAY(RatingDate) <10;
```

ReviewerID	MovieID	Stars	RatingDate
204	101	3	2011-01-09
208	104	3	2011-01-02

2 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM RATING
-> ;
```

ReviewerID	MovieID	Stars	RatingDate
201	101	2	2011-01-22
201	101	4	2011-01-27
202	106	4	NULL
203	103	3	2011-01-20
203	108	5	2011-01-12
203	108	3	2011-01-30
204	101	3	2011-01-09
205	103	3	2011-01-27
205	104	2	2011-01-22
205	108	4	NULL
206	107	3	2011-01-15
206	106	5	2011-01-19
207	107	5	2011-01-20
208	104	3	2011-01-02

14 rows in set (0.06 sec)

```
mysql> SELECT Title,ReviewerName,Stars
-> from MOVIE,REVIEWER,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID AND REVIEWER.ReviewerID=RATING.ReviewerID
-> ORDER BY 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	5
Raiders of the Lost Ark	Brittany Harris	3
Raiders of the Lost Ark	Chris Jackson	4
Snow White	Daniel Lewis	4
Snow White	Elizabeth Thomas	5
The Sound of Music	Brittany Harris	3
The Sound of Music	Chris Jackson	3

```
14 rows in set (0.06 sec)
```



```
mysql> SELECT Title,Stars,RatingDate
-> from MOVIE,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID
-> ORDER BY Title;
```

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

14 rows in set (0.00 sec)

```
mysql> SELECT Title,Stars,RatingDate
-> from MOVIE,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID
-> ORDER BY Stars DESC;
```

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

14 rows in set (0.00 sec)


```
mysql> SELECT Title,Stars,RatingDate
-> from MOVIE,RATING
-> WHERE MOVIE.MovieID=RATING.MovieID
-> ORDER BY RatingDate DESC;
```

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

14 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM MOVIE
-> WHERE Director=
-> (SELECT DISTINCT Director
-> FROM MOVIE,REVIEWER
-> WHERE MOVIE.Director=REVIEWER.ReviewerName);
```

MovieID	Title	Year	Director
105	Titanic	1997	James Cameron
107	Avatar	2009	James Cameron

2 rows in set (0.00 sec)