```
+-----+-------------------------+------+-------------------+
| mID | 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  |
+-----+-------------------------+------+-------------------+
```

```
+-----+------------------+
| rID | Name             |
+-----+------------------+
| 201 | Sarah Martinez   |
| 202 | Daniel Lewis     |
| 203 | Brittany Harris  |
| 204 | Mike Anderson    |
| 205 | Chris Jackson    |
| 206 | Elizabeth Thomas |
+-----+------------------+
```

```
+-----+-----+-------+------------+
| rID | mID | stars | ratingDate |
+-----+-----+-------+------------+
| 201 | 101 |     2 | 2011-01-22 |
| 201 | 102 |     4 | 2011-01-27 |
| 202 | 106 |     4 | NULL       |
| 203 | 103 |     2 | 2011-01-20 |
| 203 | 107 |     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 | 107 |     5 | 2011-01-20 |
| 205 | 108 |     4 | NULL       |
| 206 | 104 |     3 | 2011-01-02 |
| 206 | 106 |     5 | 2011-01-19 |
| 206 | 107 |     3 | 2011-01-15 |
+-----+-----+-------+------------+
```

Movie

Rating

Reviewer

SELECT * FROM Movie INNER JOIN Rating

ON Movie.mID = Rating.mID;

How many columns returned?

How many rows are returned?

Movie

mID	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

Reviewer

rID	Name
201	Sarah Martinez
202	Daniel Lewis
203	Brittany Harris
204	Mike Anderson
205	Chris Jackson
206	Elizabeth Thomas

Rating

rID	mID	stars	ratingDate
201	101	2	2011-01-22
201	102	4	2011-01-27
202	106	4	NULL
203	103	2	2011-01-20
203	107	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	107	5	2011-01-20
205	108	4	NULL
206	104	3	2011-01-02
206	106	5	2011-01-19
206	107	3	2011-01-15

SELECT * FROM Movie LEFT OUTER JOIN Rating

ON Movie.mID = Rating.mID;

;

How many columns returned?

How many rows are returned?

Movie

mID	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

Rating

rID	mID	stars	ratingDate
201	101	2	2011-01-22
201	102	4	2011-01-27
202	106	4	NULL
203	103	2	2011-01-20
203	107	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	107	5	2011-01-20
205	108	4	NULL
206	104	3	2011-01-02
206	106	5	2011-01-19
206	107	3	2011-01-15

Reviewer

rID	Name
201	Sarah Martinez
202	Daniel Lewis
203	Brittany Harris
204	Mike Anderson
205	Chris Jackson
206	Elizabeth Thomas

SELECT * FROM Movie RIGHT OUTER JOIN Rating

ON Movie.mID = Rating.mID;

How many columns returned?

How many rows are returned?

SELECT * FROM Reviewer LEFT OUTER JOIN Rating

ON Reviewer.RID = Rating.RID;

How many columns returned?

How many rows are returned?

Movie

mID	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

Rating

rID	mID	stars	ratingDate
201	101	2	2011-01-22
201	102	4	2011-01-27
202	106	4	NULL
203	103	2	2011-01-20
203	107	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	107	5	2011-01-20
205	108	4	NULL
206	104	3	2011-01-02
206	106	5	2011-01-19
206	107	3	2011-01-15

Reviewer

rID	Name
201	Sarah Martinez
202	Daniel Lewis
203	Brittany Harris
204	Mike Anderson
205	Chris Jackson
206	Elizabeth Thomas