1. Find the names of movies with the highest rating.

+------------+

| Snow White |

| Avatar |

+------------+

1. Find the names of movies with a rating higher than highest rating given by 205.

+------------+

| Snow White |

| Avatar |

+------------+

1. Find the titles of all movies not reviewed by Chris Jackson.

|  |
| --- |
| Avatar  Gone with the Wind  Snow White  Star Wars  Titanic |

1. For all movies that have not been reviewed, return the movies id and titles. (use left join)

|  |  |
| --- | --- |
| 102 | Star Wars |
| 105 | Titanic |

1. Add the reviewer Roger Ebert to your database, with an rID of 209.
2. Display the name of Reviewer who has not reviewed any movie. (use right join)

|  |
| --- |
| Robert Ebert |

1. List the names of Directors who have directed more than one movie.

|  |
| --- |
| Steven Spielberg  James Cameron |

1. List the title and the number of times a movie was reviewed.

|  |  |
| --- | --- |
| Gone with the Wind | 3 |
| The Sound of Music | 2 |
| E.T. | 2 |
| Snow White | 2 |
| Avatar | 2 |
| Raiders of the Lost Ark | 3 |

1. List the id and title of movie which was reviewed the maximum number of times.

|  |  |
| --- | --- |
| Gone with the Wind | 3 |
| Raiders of the Lost Ark | 3 |

1. Find the rating and the total number of movies that recieved a rating of 4 and the number of movies with a rating of 5

|  |  |
| --- | --- |
| 4 | 4 |
| 5 | 2 |

1. For all cases where the same reviewer rated the same movie twice and gave it a higher rating the second time, return the reviewer's name and the title of the movie.

|  |  |
| --- | --- |
| Sarah Martinez | Gone with the Wind |

1. For each movie that has at least one rating, find the highest number of stars that movie received. Return the movie title and number of stars. Sort by movie title.

+-------------------------+------------+

| title | max(stars) |

+-------------------------+------------+

| Avatar | 5 |

| E.T. | 3 |

| Gone with the Wind | 4 |

| Raiders of the Lost Ark | 4 |

| Snow White | 5 |

| The Sound of Music | 3 |

+-------------------------+------------+

1. For each movie, return the title and the 'rating spread', that is, the difference between highest and lowest ratings given to that movie. Sort by rating spread from highest to lowest, then by movie title.

+-------------------------+------------+

| title | max(stars) |

+-------------------------+------------+

| Avatar | 5 |

| E.T. | 3 |

| Gone with the Wind | 4 |

| Raiders of the Lost Ark | 4 |

| Snow White | 5 |

| The Sound of Music | 3 |

+-------------------------+------------+

1. For any rating where the reviewer is the same as the director of the movie, return the reviewer name, movie title, and number of stars.

|  |  |  |
| --- | --- | --- |
| James Cameron | Avatar | 5 |

1. Return all reviewer names and movie names together in a single list, alphabetized.

|  |
| --- |
| AshleyWhite  Avatar  Brittany Harris  Chris Jackson  Daniel Lewis  E.T.  Elizabeth Thomas  Gone with the Wind  James Cameron  Mike Anderson  Raiders of the Lost Ark  Sarah Martinez  Snow White  Star Wars  The Sound of Music  Titanic |

1. For all pairs of reviewers such that both reviewers gave a rating to the same movie, return the names of both reviewers. Eliminate duplicates, don't pair reviewers with themselves, and include each pair only once. For each pair, return the names in the pair in alphabetical order.

|  |
| --- |
| Ashley White Chris Jackson  Brittany Harris Chris Jackson  Daniel Lewis Elizabeth Thomas  Elizabeth Thomas James Cameron  Mike Anderson Sarah Martinez |

1. For a rating that is the lowest (fewest stars) currently in the database, return the reviewer name, movie title, and number of stars.

|  |
| --- |
| Brittany Harris Raiders of the Lost Ark 2  Brittany Harris The Sound of Music 2  Chris Jackson E.T. 2  Sarah Martinez Gone with the Wind 2 |

1. List movie titles and average ratings, from highest-rated to lowest-rated. If two or more movies have the same average rating, list them in alphabetical order.

|  |
| --- |
| Snow White 4.5  Avatar 4.0  Raiders of the Lost Ark 3.33333333333  Gone with the Wind 3.0  E.T. 2.5  The Sound of Music 2.5 |

1. Find the names of all reviewers who have contributed three or more ratings.

|  |
| --- |
| Brittany Harris  Chris Jackson |

1. Some directors directed more than one movie. For all such directors, return the titles of all movies directed by them, along with the director name. Sort by director name, then movie title.

|  |
| --- |
| Avatar James Cameron  Titanic James Cameron  E.T. Steven Spielberg  Raiders of the Lost Ark Steven Spielberg |

1. Find the movie(s) with the highest average rating. Return the movie title(s) and average rating. (Hint: you might think of it as finding the highest average rating and then choosing the movie(s) with that average rating.)

|  |  |
| --- | --- |
| Snow White | 4.5 |

1. Find the movie(s) with the lowest average rating. Return the movie title(s) and average rating. (Hint: you might think of it as finding the lowest average rating and then choosing the movie(s) with that average rating.)

|  |
| --- |
| E.T. 2.5  The Sound of Music 2.5 |