You've started a new movie-rating website, and you've been collecting data on reviewers' ratings of various movies. There's not much data yet, but you can still try out some interesting queries. Here's the schema:

Movie (mID, title, year, director)
English: There is a movie with ID number *mID*, a *title*, a release *year*, and a *director*.

Reviewer (rID, name)
English: The reviewer with ID number *rID* has a certain *name*.

Rating (rID, mID, stars, ratingDate)
English: The reviewer *rID* gave the movie *mID* a number of *stars* rating (1-5) on a certain *ratingDate*.

Your queries will run over a small data set conforming to the schema. View the database. (You can also download the schema and data.)

Instructions: Each problem asks you to write a query in SQL. When you click "Check Answer" our back-end runs your query against the sample database using SQLite. It displays the result and compares your answer against the correct one. When you're satisfied with your solution for a given problem, click the "Submit" button to check your answer.

Important Notes:

- Your queries are executed using SQLite, so you must conform to the SQL constructs supported by SQLite.
- Unless a specific result ordering is asked for, you can return the result rows in any order.
- *You are to translate the English into a SQL query that computes the desired result over all possible databases.* All we actually check is that your query gets the right answer on the small sample database. Thus, even if your solution is marked as correct, it is possible that your query does not correctly reflect the problem at hand. (For example, if we ask for a complex condition that requires accessing all of the tables, but over our small data set in the end the condition is satisfied only by Star Wars, then the query "select title from Movie where title = 'Star Wars'" will be marked correct even though it doesn't reflect the actual question.) Circumventing the system in this fashion will get you a high score on the exercises, but it won't help you learn SQL. On the other hand, an incorrect attempt at a general solution is unlikely to produce the right answer, so you shouldn't be led astray by our checking system.

You may perform these exercises as many times as you like, so we strongly encourage you to keep working with them until you complete the exercises with full credit.

Q1 (1/1 point)

Find the names of all reviewers who rated Gone with the Wind.

Note: Your queries are executed using SQLite, so you must conform to the SQL constructs supported by SQLite.

```
Select distinct rw.name from reviewer rw, rating r, movie m
where r.rID = rw.rID  and r.mID = m.mID
and m.title = 'Gone with the Wind'

```

Correct

Correct

Your Query Result:

Mike Anderson
Sarah Martinez

Expected Query Result:

Mike Anderson
Sarah Martinez

Submit **Reset**

Q2 (1/1 point)

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.

Note: Your queries are executed using SQLite, so you must conform to the SQL constructs supported by SQLite.

```
select rw.name,m.title,r.stars from reviewer rw join movie m
on m.director = rw.name join rating r
on r.rID = rw.rID and r.mID = m.mID
```

Correct

Correct

Your Query Result:

James Cameron	Avatar	5

Expected Query Result:

James Cameron	Avatar	5

Submit **Reset**

Q3 (1/1 point)

Return all reviewer names and movie names together in a single list, alphabetized. (Sorting by the first name of the reviewer and first word in the title is fine; no need for special processing on last names or removing "The".)

Note: Your queries are executed using SQLite, so you must conform to the SQL constructs supported by SQLite.

```
1 select name from reviewer
2 union
3 select title from movie
4 order by name, title
```

Correct

Correct

Your Query Result:

Ashley White
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

Expected Query Result:

Ashley White
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

(Order matters)

Submit **Reset**

Q4 (1/1 point)

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

Note: Your queries are executed using SQLite, so you must conform to the SQL constructs supported by SQLite.

```
1 select title from movie where mID NOT IN
2 (select r.mID from rating r join reviewer rw on r.rID = rw.rID
3 where rw.name = 'Chris Jackson')
```

Correct

Correct

Your Query Result:

Avatar
Gone with the Wind
Snow White
Star Wars
Titanic

Expected Query Result:

Avatar
Gone with the Wind
Snow White
Star Wars
Titanic

Submit **Reset**

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