

JavaScript Candidate Test

Fishbowl Media LLC

Your task is to create a MongoDB to SQL translator.

examples (in and out are strings):

in: `db.user.find({name: 'julio'})`;

out: `SELECT * FROM user WHERE name = 'julio'`;

in: `db.user.find({_id: 23113}, {name: 1, age: 1})`;

out: `SELECT name, age FROM user WHERE _id = 23113`;

in: `db.user.find({age: {$gte: 21}}, {name: 1, _id: 1})`;

out: `SELECT name, _id FROM user WHERE age >= 21`;

The translator should only support the following mongodb operators:

`$or`

`$and` (*remember \$and and comma separated values on an object are the same*)

`$lt`

`$lte`

`$gt`

`$gte`

`$ne`

`$in`

- There can be any combinations of operators in a single query.
- The code should be documented, especially supporting the decisions made in terms of algorithms and chosen data structures.
- The translator only needs to support `db.find`. It is OK to return an error for all other types of queries.
- The answer must be developed in JavaScript. NPM libraries can be included, except for SQL builders
- The evaluation criteria are the same as if you were submitting code to be reviewed by your team.