Project 4 Documentation
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Note: All the queries in problem 1 and 2 can run in mongodb atlas.
In problem3, we use local mongodb database. But it should be able to run in mongodb atlas, just need to remove the command: use <database name> and create the database in mongodb atlas.

Project4.js file contains the script for all three questions.

Here are the commands I followed to download and connect mongodb locally:

$ brew tap mongodb/brew
$ brew install mongodb-community
$ brew services start mongodb/brew/mongodb-community
$ sudo mkdir -p /data/db
$ sudo mongod --dbpath /data/db/

In another terminal:
$ cd <path to the project file>
$ mongo <project4.js
All the outputs should be displayed in the terminal.

Note, that some of the outputs are not part of the answers. Only the outputs that are displayed right after a question number is the answer of that question.