



Course Overview



View Discussion

Chapter 4: CRUD Optimization

Lab 4.2: Aggregation Performance

Problem:

For this lab, you're going to create an index so that the following aggregation query can be executed successfully.

After importing the restaurants dataset, without any indexes:

```
$ mongoimport -d m201 -c restaurants --drop restaurants.json
```

COPY

If you attempt to run the following query you'll receive an error.

```
db.restaurants.aggregate([
  { $match: { stars: { $gt: 2 } } },
  { $sort: { stars: 1 } },
  { $group: { _id: "$cuisine", count: { $sum: 1 } } }
])
```

COPY

```
{
  "ok": 0,
  "errmsg": "Sort exceeded memory limit of 104857600 bytes, but did not
opt in to external sorting. Aborting operation. Pass allowDiskUse:true
to opt in.",
  "code": 16819,
  "codeName": "Location16819"
}
```

COPY

Identify why this error is occurring, and build an index to resolve the issue.

Keep in mind that there might be several indexes that resolve this error, but we're looking for an index as small as possible that services this command.

In the text box below, submit the index that resolves the issue.

For example, if you ran `db.restaurants.createIndex({ foobar: 1 })` to fix the error, then you'd enter `{ foobar: 1 }` into the text box.

Note: The index should be ascending in nature.

Attempts Remaining: **Correct Answer**   

Enter answer here:

```
{ stars: 1 }
```

Correct!

[See detailed answer](#)

[Proceed to next section](#)

Assignment is Due

01d:09hr:17m

24 gru, 17:00 UTC

Your Grade

PASS/FAIL

Submitted

Download Handouts



[restaurants.json.zip](#)