



Course Overview



View Discussion

Chapter 2: MongoDB Indexes

Lab 2.2: Optimizing Compound Indexes

Problem:

In this lab you're going to examine several example queries and determine which compound index will best service them.

COPY

```
> db.people.find({
  "address.state": "Nebraska",
  "last_name": /^G/,
  "job": "Police officer"
})
```

COPY

```
> db.people.find({
  "job": /^P/,
  "first_name": /^C/,
  "address.state": "Indiana"
}).sort({ "last_name": 1 })
```

COPY

```
> db.people.find({
  "address.state": "Connecticut",
  "birthday": {
    "$gte": ISODate("2010-01-01T00:00:00.000Z"),
    "$lt": ISODate("2011-01-01T00:00:00.000Z")
  }
})
```

If you had to build one index on the **people** collection, which of the following indexes would best service all 3 queries?

Attempts Remaining: **Correct Answer**   

Choose the best answer:

☐ { "address.state": 1, "job": 1 }

☐ { "job": 1, "address.state": 1, "last_name": 1 }

☐ { "job": 1, "address.state": 1, "first_name": 1 }

☐ { "job": 1, "address.state": 1 }

☐ { "address.state": 1, "job": 1, "first_name": 1 }

☒ { "address.state": 1, "last_name": 1, "job": 1 }

Correct!

[See detailed answer](#)

Assignment is Due

06d:06hr:29m

17 gru, 17:00 UTC

Your Grade

PASS/FAIL

Submitted

