



Chapter 2: MongoDB Indexes

Lab 2.1: Using Indexes to Sort

Problem:

In this lab you're going to determine which queries are able to successfully use a given index for both filtering and sorting.

Given the following index:

```
{ "first_name": 1, "address.state": -1, "address.city": -1, "ssn
```

COPY

Which of the following queries are able to use it for both filtering and sorting?

Attempts Remaining: **Correct Answer**

Check all answers that apply:

☒ `db.people.find({ "address.state": "South Dakota", "first_name": "Jessica" }).sort({ "address.city": -1 })`

☒ `db.people.find({ "first_name": "Jessica", "address.state": { $lt: "S" } }).sort({ "address.state": 1 })`

☐ `db.people.find({ "first_name": { $gt: "J" } }).sort({ "address.city": -1 })`

☒ `db.people.find({ "first_name": "Jessica" }).sort({ "address.state": 1, "address.city": 1 })`

☐ `db.people.find({ "address.city": "West Cindy" }).sort({ "address.city": -1 })`

[See detailed answer](#)