



Final Exam

Question 7

Problem:

Given the following indexes:

- 1. { categories: 1, price: 1 }
- 2. { in_stock: 1, price: 1, name: 1 }

The following documents:

- 1. { price: 2.99, name: "Soap", in_stock: true, categories: ['Beauty', 'Personal Care'] }
- 2. { price: 7.99, name: "Knife", in_stock: false, categories: ['Outdoors'] }

And the following queries:

- 1. db.products.find({ in_stock: true, price: { \$gt: 1, \$lt: 5 } }).sort({ name: 1 })
- 2. db.products.find({ in_stock: true })
- 3. db.products.find({ categories: 'Beauty' }).sort({ price: 1 })

Which of the following is/are true?

Attempts Remaining: **Correct Answer**   

Check all answers that apply:

☒ Index #2 can be used by both query #1 and #2.

☐ Index #2 properly uses the equality, sort, range rule for query #1.

☐ There would be a total of 4 index keys created across all of these documents and indexes.

☒ Index #1 would provide a sort to query #3.

[See detailed answer](#)