

FINAL: QUESTION 5

Suppose you have a collection *fubar* with the following indexes created:

```
[
  {
    "v" : 1,
    "key" : {
      "_id" : 1
    },
    "ns" : "test.fubar",
    "name" : "_id_"
  },
  {
    "v" : 1,
    "key" : {
      "a" : 1,
      "b" : 1
    },
    "ns" : "test.fubar",
    "name" : "a_1_b_1"
  },
  {
    "v" : 1,
    "key" : {
      "a" : 1,
      "c" : 1
    },
    "ns" : "test.fubar",
    "name" : "a_1_c_1"
  },
  {
    "v" : 1,
    "key" : {
      "c" : 1
    },
    "ns" : "test.fubar",
    "name" : "c_1"
  },
  {
    "v" : 1,
    "key" : {
      "a" : 1,
      "b" : 1,
      "c" : -1
    },
  },
]
```

```
        "ns" : "test.fubar",  
        "name" : "a_1_b_1_c_-1"  
      }  
    ]
```

Now suppose you want to run the following query against the collection.

```
db.fubar.find({'a':{'$lt':10000}, 'b':{'$gt': 5000}}, {'a':1, 'c':1}).sort({'c':-1})
```

Which of the following indexes could be used by MongoDB to assist in answering the query? Check all that apply.

- ☐ _id_
- ☐ a_1_b_1
- ☐ a_1_c_1
- ☐ c_1
- ☐ a_1_b_1_c_-1

SUBMIT

Submitted

