

HOMEWORK: HOMEWORK 4.1

Suppose you have a collection with the following indexes:

```
> db.products.getIndexes()
[
  {
    "v" : 1,
    "key" : {
      "_id" : 1
    },
    "ns" : "store.products",
    "name" : "_id_"
  },
  {
    "v" : 1,
    "key" : {
      "sku" : 1
    },
    "unique" : true,
    "ns" : "store.products",
    "name" : "sku_1"
  },
  {
    "v" : 1,
    "key" : {
      "price" : -1
    },
    "ns" : "store.products",
    "name" : "price_-1"
  },
  {
    "v" : 1,
    "key" : {
      "description" : 1
    },
    "ns" : "store.products",
    "name" : "description_1"
  },
  {
    "v" : 1,
    "key" : {
      "category" : 1,
      "brand" : 1
    },
    "ns" : "store.products",
    "name" : "category_1_brand_1"
  }
]
```

```
    },  
    {  
      "v" : 1,  
      "key" : {  
        "reviews.author" : 1  
      },  
      "ns" : "store.products",  
      "name" : "reviews.author_1"  
    }  
  ]  
}
```

Which of the following queries can utilize an index. Check all that apply.



- ☐ db.products.find({'brand':"GE"})
- ☒ db.products.find({'brand':"GE"}).sort({price:1})
- ☒ db.products.find({\$and:[{price:{\$gt:30}},{price:{\$lt:50}}]}).sort({brand:1})
- ☐ db.products.find({brand:'GE'}).sort({category:1, brand:-1}).explain()

SHOW ANSWER

Submission deadline has passed.

