

Note : use C:\mydata\mongodb\Json Files book.json file for importing data

Every document has following structure.

```
{  
  
  "_id" : 4,  
  
  "title" : "Flex 3 in Action",  
  
  "isbn" : "1933988746",  
  
  "pageCount" : 576,  
  
  "publishedDate" : ISODate("2009-02-02T08:00:00Z"),  
  
  "thumbnailUrl" : "https://s3.amazonaws.com/AKIAJC5RLADLUMVRPFDQ.book-  
thumb-images/ahmed.jpg",  
  
  "longDescription" : "New web applications require engaging user-friendly interfaces  
and the cooler, the better. With Flex 3, web developers at any skill level can create high-  
quality, effective, and interactive Rich Internet Applications (RIAs) quickly and easily. Flex  
removes the complexity barrier from RIA development by offering sophisticated tools and a  
straightforward programming language so you can focus on what you want to do instead of  
how to do it. And now that the major components of Flex are free and open-source, the cost  
barrier is gone, as well! Flex 3 in Action is an easy-to-follow, hands-on Flex tutorial.  
Chock-full of examples, this book goes beyond feature coverage and helps you put Flex to  
work in real day-to-day tasks. You'll quickly master the Flex API and learn to apply the  
techniques that make your Flex applications stand out from the crowd. Interesting themes,  
styles, and skins It's in there. Working with databases You got it. Interactive forms and  
validation You bet. Charting techniques to help you visualize data Bam! The expert  
authors of Flex 3 in Action have one goal to help you get down to business with Flex 3.  
Fast. Many Flex books are overwhelming to new users focusing on the complexities of the  
language and the super-specialized subjects in the Flex eco-system; Flex 3 in Action filters  
out the noise and dives into the core topics you need every day. Using numerous easy-to-  
understand examples, Flex 3 in Action gives you a strong foundation that you can build on as  
the complexity of your projects increases.",  
  
  "status" : "PUBLISH",  
  
  "authors" : [  
  
    "Tariq Ahmed with Jon Hirschi",  
  
    "Faisal Abid"  
  
  ],  
  
  "categories" : [
```

"Internet"

]

}

1. Find all books whose author is Faisal Abid and display name of book authors and categories
2. List all the books with category Internet at first position in category array
3. Change the status of books "undergoing change" for books having more than 500 pages and published in 2009
4. Find all the books containing word highlighting and depth in long description of the book
5. Display all books published in 2009
6. Find all books with pageCount is either 500 or 556 or 670
7. Add 2 categories "kindle" and "hard bind" in all the books if its pageCount >200 and < 500 or number of pages >500
8. List all the books which has thumbnailUrl key
9. Add key type with values ["fiction","moral stories","adventurous"] in all books whose title starts with Fl and contains a some where in the name
10. Add a key comments :[{comment:" like the book" ,date:ISODate("2019-09-01")},
11. Add new author "myauthor" at position 2 for all books whose title starts with h or m and contains s at 2<sup>nd</sup> last position
12. Increase pageCount by 100 for all books whose author at 1 st position is "Gal Shachor"
13. Overwrite "Magnus Rydin" with name "Fr"
14. List all books title, status, pageCount, comments for all books with pages > 300 or < 500 or title starts with a or isbn starts with 193

- 
1. Display pageCount of books =( pageCount \* 100 + (pagecount % 7)) of all books with isbn number starting with 193
  2. Display book code as first 3 charatcters of title followed by 4,5,6 character of isbn number
  3. Find sum, maximum, minimum of pageCount for all books
  4. Find sum, maximum, minimum,count of pageCount for all books categorywise and arrange it on count
  5. Display all books written by "Faisal Abid" display title, number of pages and author name. don't display all author names
  6. Display book name, pages, isbn number and state as "old" if book is published before 2010 otherwise display "in stock"
  7. Display 3 books with lowest number of pages published in 2010 or in 2011 or in 2012 arrange it on title.
  8. List 3<sup>rd</sup> highest, 4<sup>th</sup> highest and 5<sup>th</sup> highest books according to number of pages arrange it on title. Display only title , isbn, pages
  9. Find sum of pageCount for all books categorywise if its title contains a or m and isbn contains number 7.