



# Practice Brief Data Analytics With MongoDB

## PRACTICE

### Library

The Big Bookshelf is a newly launched online bookstore where the customer can purchase books online.

Through a web browser, the customers can search for a book by its title or author, add it to the shopping cart later, and finally purchase using credit card transaction.

The company owner wishes to investigate the details of available books and keep the record for the same. As a database developer, accomplish the following tasks:

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**Task 1.** The company has data in a text format and needs to store it in the database. As a database developer, convert the data into the required format and import it into a MongoDB database.

**Task 2.** There are lot many fields which give information about the book along with the author and category. Initially, consider only `_id`, `title`, `isbn_no`, and `authors` for the analysis purpose.

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**Task 3:** The owner wishes to know the most popular author. Accordingly, the owner can maintain the stock of that author to increase the overall profit.

**Task 4:** Check the most trending category books as well as the least trending category books.

**Task 5:** Some of the customers are interested in finding only specific books by their author's name. So, create a copy of the data which contains only the author's name.

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**Task 6:** Identify the various book categories and search for the most trending book category.

**Task 7:** As the published date plays a crucial role in the book's overall success, identify the preferred date for publishing books.

**Task 8:** Sometimes, customers are interested in reading the books and short descriptions about them. Create a copy of the book's title along with the short description.

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**Task 9:** Group the authors according to their books collection and maintain it for future reference.

**Task 10:** Identify the distinct categories of books.

**Task 11 :** Identify the minimum and maximum page count



Thank you!