# Hands on with Aggregation & Grouping

1. List the category of books

Text

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1. find the total count of documents for each category

Text

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1. find the documents having copies greater than 30 according to the categories



1. find the documents by grouping according to isbn number and sort by the same



1. find the documents by grouping to categories and sorting it by category name only for those documents having available status true

Text

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1. find the average no. of books based on the categories.

Text

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1. find the min and max no. of books based on the categories.

Text

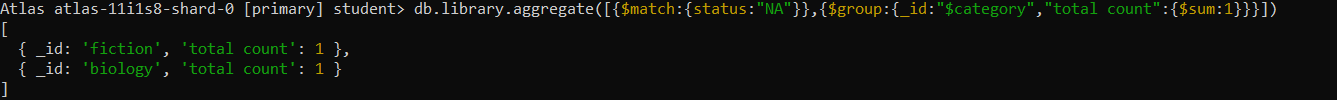
Description automatically generated

1. find the total count of documents for each category

Text

Description automatically generated

1. find the total count of not available books for each category.



1. find the total no. of copies of books for each category.

Text

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1. Sort the above output in descending order of copies.

A picture containing graphical user interface

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1. find the documents by grouping category and isbn number along with the count of each group.

Text

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1. find the documents by grouping category and isbn number along with the count of each group. But the output should be displayed as follows:

Expected output:

{ "Category" : "history", "ISBN" : 32145, "total\_docs" : 1 }

{ "Category" : "history", "ISBN" : 1234, "total\_docs" : 2 }

{ "Category" : "fiction", "ISBN" : 1234, "total\_docs" : 1 }

{ "Category" : "programming", "ISBN" : 1234, "total\_docs" : 1 }

{ "Category" : "programming", "ISBN" : 12354, "total\_docs" : 1 }

{ "Category" : "gk", "ISBN" : 1234, "total\_docs" : 1 }

{ "Category" : "novel", "ISBN" : 1234, "total\_docs" : 1 }

Text

Description automatically generated

1. find the documents by grouping category and isbn number along with the total no of copies for each group. Display the group having highest copies.

Expected output:

{ "Category" : "history", "ISBN" : 32145, "total\_copies" : 50 }

Text

Description automatically generated