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Lab 8 Activity – MongoDB

7. Perform a word count on the text field of the documents collection.

```
db.documents.aggregate([
  {
    $project: {
      wordsArray: {
        $split: [{ $toLower: "$text" }, " "]
      }
    }
  },
  { $unwind: "$wordsArray" },
  {
    $group: {
      _id: "$wordsArray",
      occurrences: { $sum: 1 }
    }
  },
  { $sort: { occurrences: -1 } }
]);
```

```
schoolDB> db.documents.aggregate([
...    {
...       $project: {
...          wordsArray: {
...             $split: [{ $toLower: "$text" }, " "]
...          }
...       }
...    },
...    { $unwind: "$wordsArray" },
...    {
...       $group: {
...          _id: "$wordsArray",
...          occurrences: { $sum: 1 }
...       }
...    },
...    { $sort: { occurrences: -1 } }
... ]);
[
  { _id: 'is', occurrences: 2 },
  { _id: 'mongodb', occurrences: 2 },
  { _id: 'aggregation', occurrences: 1 },
  { _id: 'a', occurrences: 1 },
  { _id: 'powerful', occurrences: 1 },
  { _id: 'large', occurrences: 1 },
  { _id: 'frameworks', occurrences: 1 },
  { _id: 'and', occurrences: 1 },
  { _id: 'for', occurrences: 1 },
  { _id: 'tool', occurrences: 1 },
  { _id: 'engaging.', occurrences: 1 },
  { _id: 'provide', occurrences: 1 },
  { _id: 'learning', occurrences: 1 },
  { _id: 'fun', occurrences: 1 },
  { _id: 'in', occurrences: 1 },
  { _id: 'data', occurrences: 1 },
  { _id: 'sets.', occurrences: 1 },
  { _id: 'mapreduce', occurrences: 1 },
  { _id: 'flexibility.', occurrences: 1 }
]
```