

What's MongoDB?



MongoDB is a very popular noSQL database.



It uses a document-oriented model as opposed to a table-based relational model (SQL).



MongoDB stores data in BSON format (effectively, compressed JSONs).



MongoDB has tons of drivers and packages for connecting to Node, C++, Java, etc.

Relational Databases (SQL)

ID	Title	Author	Published
1	The History of Blah	Blah Matic	2010
2	The Chronicles of Blahrnia	Sir Blahston	2011
3	Love in the Time of Blah	Gabriel Garcia Blah	2013



SQL relies on **joins** to combine relevant data.

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Document Database (noSQL)



noSQL databases, on the other hand, are effectively JSONs.



They excel at heterogeneous data formats and are easy to implement.

```
"Title": "The History of Blah",
    "Author": {
        "name": "Blah Matic",
        "email": "blahston@gmail.com",
        "phone": "911-546-5454"
    },
    "Published": 2010
},
    "id": 2,
    "Title": "The Chronicles of Blahrnia",
    "Author": {
        "name": "Sir Blahston",
        "email": "blahby@gmail.com",
        "phone": "911-544-5112"
    },
    "Published": 2011
},
```

MongoDB Storage

Terms are slightly different in the noSQL context. Take note!

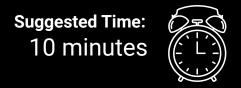
SQL Term	noSQL Term
Database	Database
Table	Collection
Row	Document
Column	Field

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Partner Activity:

Questions & Answers



Partner Activity: Questions & Answers

Work with your neighbors to research the following:

01

What are the advantages of using a noSQL database like MongoDB according to the MongoDB website?

02

What are the advantages of using a noSQL database like MongoDB according to the web (according to places like Quora)?



What are the disadvantages of using a noSQL database like MongoDB according to the web (according to places like Quora)?



MongoDB Storage

Database composed of multiple collections

