



PART 2

Project 1

Jade Acevedo

Part 2: Document Stores MongoDB

Create the data

```
books.json
1  [
2    { "Book_Code": 22, "Book_Title": "Stranger", "Publisher": "Vintage", "Author": "Camus" },
3    { "Book_Code": 13, "Book_Title": "Dreamcatcher", "Publisher": "Scribner", "Author": "King" },
4    { "Book_Code": 18, "Book_Title": "Beloved", "Publisher": "Plume", "Author": "Morrison" },
5    { "Book_Code": 37, "Book_Title": "Nine", "Publisher": "LB Books", "Author": "Salinger" },
6    { "Book_Code": 57, "Book_Title": "Catch 22", "Publisher": "Scribner", "Author": "Heller" },
7    { "Book_Code": 61, "Book_Title": "Jazz", "Publisher": "Plume", "Author": "Morrison" },
8    { "Book_Code": 69, "Book_Title": "Franny", "Publisher": "LB Books", "Author": "Salinger" },
9    { "Book_Code": 75, "Book_Title": "Fall", "Publisher": "Vintage", "Author": "Camus" },
10   { "Book_Code": 96, "Book_Title": "Grapes", "Publisher": "Penguin", "Author": "Morrison" },
11   { "Book_Code": 98, "Book_Title": "Catcher", "Publisher": "LB Books", "Author": "Salinger" }
12 ]
13
```

1. Use MongoDB to show that the information has been entered into the collection(s)

The screenshot shows the MongoDB Compass interface. On the left, the 'Connections' panel shows a connection to 'jade mongo'. The main panel displays the 'BooksDatabase' collection with 10 documents. The documents are listed in a table with columns: _id, Book_Code, Book_Title, Publisher, and Author. The data matches the JSON file shown in the previous block.

_id	Book_Code	Book_Title	Publisher	Author
ObjectId('6755240f1999736...')	22	Stranger	Vintage	Camus
ObjectId('6755240f1999736...')	13	Dreamcatcher	Scribner	King
ObjectId('6755240f1999736...')	18	Beloved	Plume	Morrison
ObjectId('6755240f1999736...')	37	Nine	LB Books	Salinger
ObjectId('6755240f1999736...')	57	Catch 22	Scribner	Heller
ObjectId('6755240f1999736...')	61	Jazz	Plume	Morrison
ObjectId('6755240f1999736...')	69	Franny	LB Books	Salinger
ObjectId('6755240f1999736...')	75	Fall	Vintage	Camus
ObjectId('6755240f1999736...')	96	Grapes	Penguin	Morrison
ObjectId('6755240f1999736...')	98	Catcher	LB Books	Salinger

- a. Show all books written by author Salinger

The screenshot shows the MongoDB Compass interface with a query filter applied: `{ "Author": "Salinger" }`. The results show 3 documents, all with the author 'Salinger'.

_id	Book_Code	Book_Title	Publisher	Author
ObjectId('6755240f1999736ebd95624')	37	Nine	LB Books	Salinger
ObjectId('6755240f1999736ebd95627')	69	Franny	LB Books	Salinger
ObjectId('6755240f1999736ebd9562a')	98	Catcher	LB Books	Salinger

The image shows a code editor interface. At the top, there's a toolbar with buttons: "Explain", "Reset", "Find", and "Options". Below the toolbar, there's a code editor area with a blue border. Inside the editor, the JSON object `{ "Publisher": "Vintage" }` is written. Below the editor, there are two code blocks showing the result of the edit. The first block shows the object with `_id: ObjectId('6755240f1999736ebed95621')`, `Book_Code: 22`, `Book_Title: "Stranger"`, `Publisher: "Vintage"`, and `Author: "Camus"`. The second block shows the object with `_id: ObjectId('6755240f1999736ebed95628')`, `Book_Code: 75`, `Book_Title: "Fall"`, `Publisher: "Vintage"`, and `Author: "Camus"`.

❗ { "Publisher": { "\$in": ["Vintage", "LB Books", "Plume"] } }

+ ADD DATA ▾
 EXPORT DATA ▾
 UPDATE
 DELETE

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<
>

★ BooksDatabase						
	_id ObjectId	Book_Code Int32	Book_Title String	Publisher String	Author String	
1	ObjectId('6755240f1999736...)	22	"Stranger"	"Vintage"	"Camus"	
2	ObjectId('6755240f1999736...)	18	"Beloved"	"Plume"	"Morrison"	
3	ObjectId('6755240f1999736...)	37	"Nine"	"LB Books"	"Salinger"	
4	ObjectId('6755240f1999736...)	61	"Jazz"	"Plume"	"Morrison"	
5	ObjectId('6755240f1999736...)	69	"Franny"	"LB Books"	"Salinger"	
6	ObjectId('6755240f1999736...)	75	"Fall"	"Vintage"	"Camus"	
7	ObjectId('6755240f1999736...)	98	"Catcher"	"LB Books"	"Salinger"	

d. Show all books published by Scribner or Plume (use OR)

⌵

▼

{
 "\$or": [
 { "Publisher": "Scribner" },
 { "Publisher": "Plume" }
]
}

?

Explain

Reset

Find

</>

Options ▶

+ ADD DATA ▼

EXPORT DATA ▼

UPDATE

DELETE

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_id: ObjectId('6755240f1999736ebed95622')
Book_Code : 13
Book_Title : "Dreamcatcher"
Publisher : "Scribner"
Author : "King"

_id: ObjectId('6755240f1999736ebed95623')
Book_Code : 18
Book_Title : "Beloved"
Publisher : "Plume"
Author : "Morrison"

_id: ObjectId('6755240f1999736ebed95625')
Book_Code : 57
Book_Title : "Catch 22"
Publisher : "Scribner"
Author : "Heller"

_id: ObjectId('6755240f1999736ebed95626')
Book_Code : 61
Book_Title : "Jazz"
Publisher : "Plume"
Author : "Morrison"

e. Show all books published by Penguin and written by Morrison (use AND)

```
{
  "$and": [
    { "Publisher": "Penguin" },
    { "Author": "Morrison" }
  ]
}
```

Explain

Reset

Find

</>

Options >

+

ADD DATA

EXPORT DATA

UPDATE

DELETE

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<

>

{ }

```
_id: ObjectId('6755240f1999736ebd95629')
Book_Code : 96
Book_Title : "Grapes"
Publisher : "Penguin"
Author : "Morrison"
```