

Practical-3

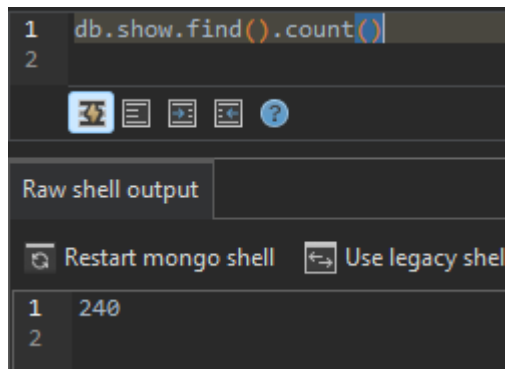
1. To create new database and collection

```
> use tv
switched to db tv
> db.createCollection("show")
{ "ok" : 1 }
> ^C
bye
```

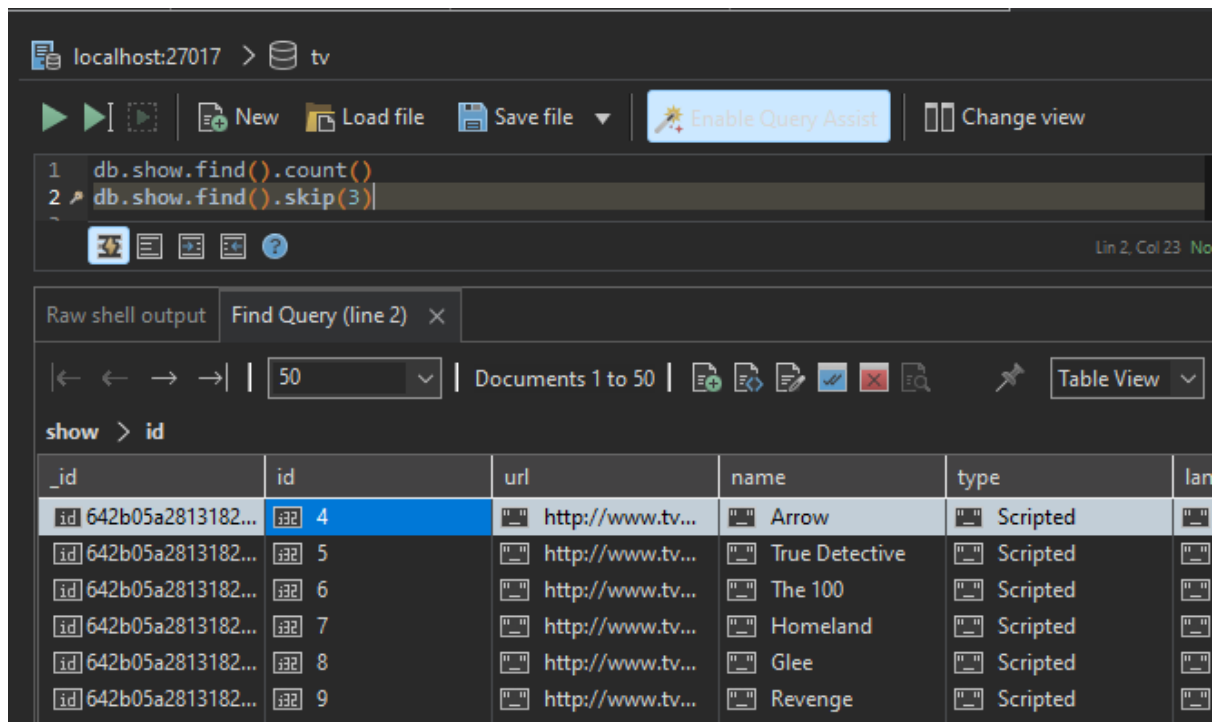
2. To import the json file

```
C:\Program Files\MongoDB\Server\4.4\bin>mongoimport tvshows.json -d tv -c show --jsonArray --drop
2023-04-03T22:28:10.212+0530    connected to: mongodb://localhost/
2023-04-03T22:28:10.213+0530    dropping: tv.show
2023-04-03T22:28:10.253+0530    240 document(s) imported successfully. 0 document(s) failed to import.
```

3. To find the count

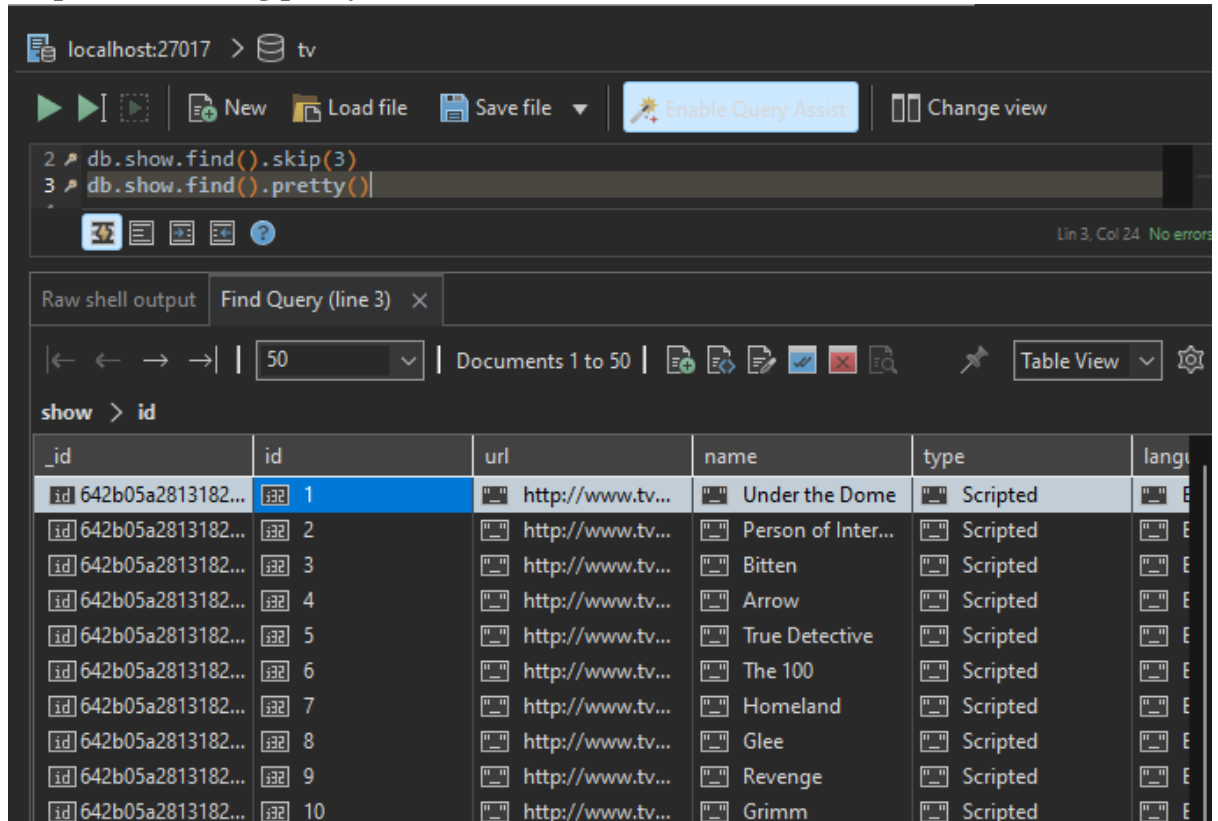


4. To skip an item



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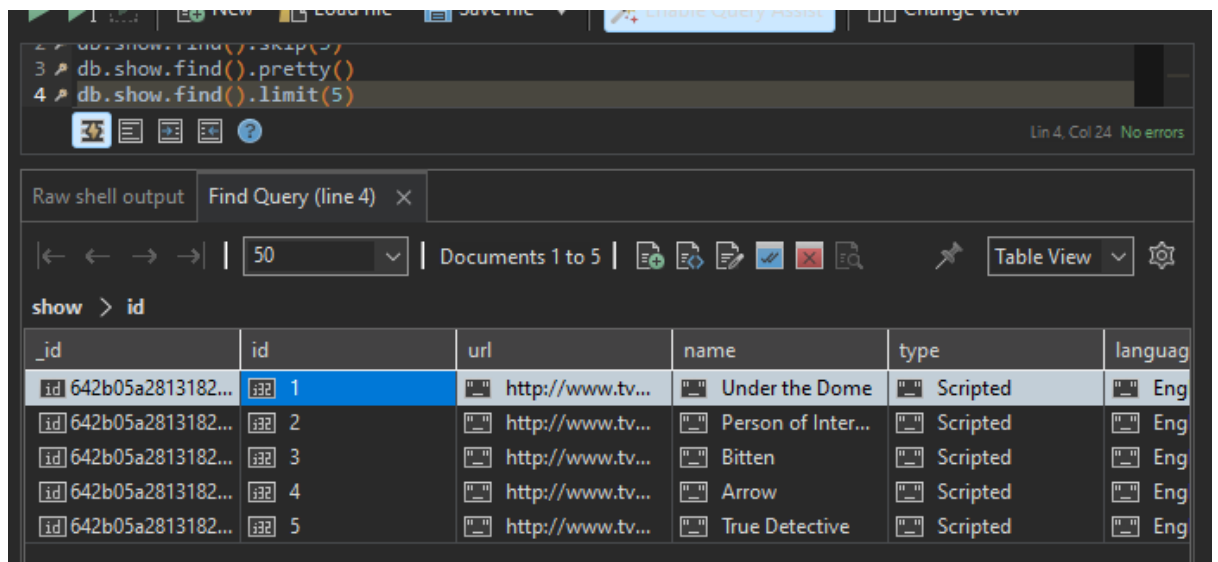
5. To print data using pretty()



The screenshot shows the MongoDB Shell interface. The command `db.show.find().pretty()` is entered in the shell. The output is displayed in a table view, showing 10 documents. The first document is highlighted.

_id	id	url	name	type	language
642b05a2813182...	1	http://www.tv...	Under the Dome	Scripted	Eng
642b05a2813182...	2	http://www.tv...	Person of Inter...	Scripted	Eng
642b05a2813182...	3	http://www.tv...	Bitten	Scripted	Eng
642b05a2813182...	4	http://www.tv...	Arrow	Scripted	Eng
642b05a2813182...	5	http://www.tv...	True Detective	Scripted	Eng
642b05a2813182...	6	http://www.tv...	The 100	Scripted	Eng
642b05a2813182...	7	http://www.tv...	Homeland	Scripted	Eng
642b05a2813182...	8	http://www.tv...	Glee	Scripted	Eng
642b05a2813182...	9	http://www.tv...	Revenge	Scripted	Eng
642b05a2813182...	10	http://www.tv...	Grimm	Scripted	Eng

6. To print data using limit()



The screenshot shows the MongoDB Shell interface. The command `db.show.find().limit(5)` is entered in the shell. The output is displayed in a table view, showing only the first 5 documents. The first document is highlighted.

_id	id	url	name	type	language
642b05a2813182...	1	http://www.tv...	Under the Dome	Scripted	Eng
642b05a2813182...	2	http://www.tv...	Person of Inter...	Scripted	Eng
642b05a2813182...	3	http://www.tv...	Bitten	Scripted	Eng
642b05a2813182...	4	http://www.tv...	Arrow	Scripted	Eng
642b05a2813182...	5	http://www.tv...	True Detective	Scripted	Eng

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7. To print the data by using a condition

a) Condition-Genres

```
1 db.show.find().pretty()
4 db.show.find().limit(5)
5 db.show.find( {}, { genres : 1 } )
```

Raw shell output Find Query (line 5) ×

50 Documents 1 to 50 Table View

show > genres

_id	genres
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]
id 642b05a2813182...	[3 elements]

b) Condition-Name

```
5 db.show.find( {}, { genres : 1 } )
6 db.show.find( {}, { name : 1 } )
```

Raw shell output Find Query (line 6) ×

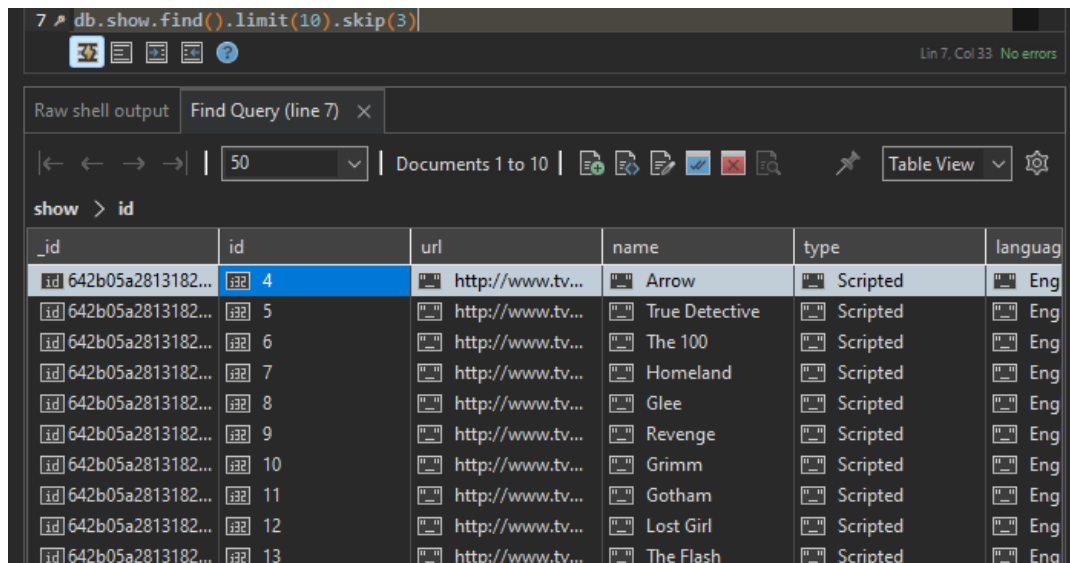
50 Documents 1 to 50 Table View

show > name

_id	name
id 642b05a2813182...	Under the Dome
id 642b05a2813182...	Person of Inter...
id 642b05a2813182...	Bitten
id 642b05a2813182...	Arrow
id 642b05a2813182...	True Detective
id 642b05a2813182...	The 100
id 642b05a2813182...	Homeland
id 642b05a2813182...	Glee
id 642b05a2813182...	Revenge
id 642b05a2813182...	Grimm
id 642b05a2813182...	Gotham

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8. To print data using find().limit().skip()



```
7 db.show.find().limit(10).skip(3)
```

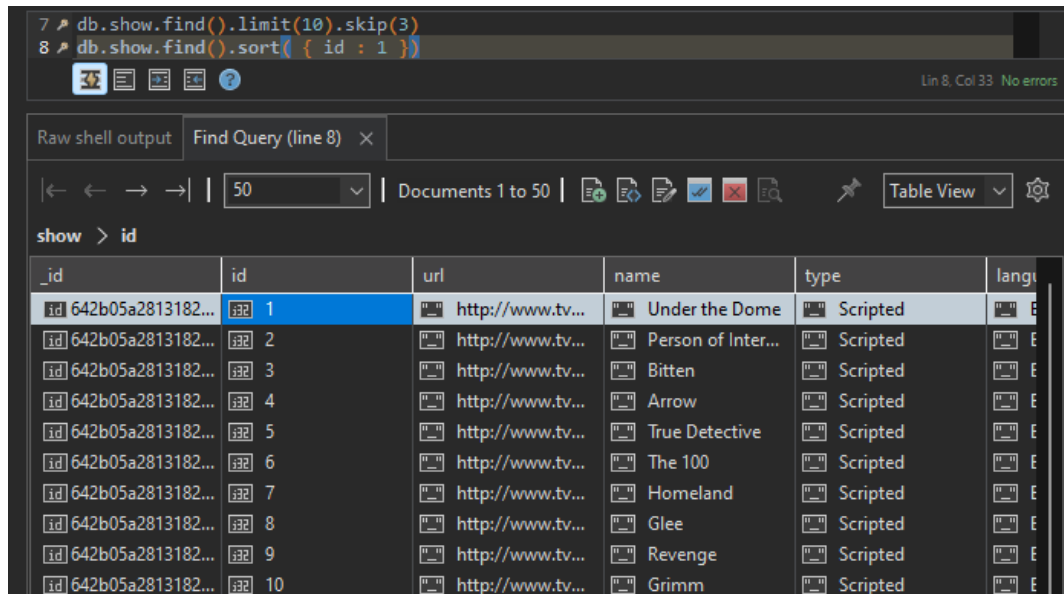
Raw shell output Find Query (line 7) X

50 Documents 1 to 10 Table View

show > id

_id	id	url	name	type	language
642b05a2813182...	4	http://www.tv...	Arrow	Scripted	Eng
642b05a2813182...	5	http://www.tv...	True Detective	Scripted	Eng
642b05a2813182...	6	http://www.tv...	The 100	Scripted	Eng
642b05a2813182...	7	http://www.tv...	Homeland	Scripted	Eng
642b05a2813182...	8	http://www.tv...	Glee	Scripted	Eng
642b05a2813182...	9	http://www.tv...	Revenge	Scripted	Eng
642b05a2813182...	10	http://www.tv...	Grimm	Scripted	Eng
642b05a2813182...	11	http://www.tv...	Gotham	Scripted	Eng
642b05a2813182...	12	http://www.tv...	Lost Girl	Scripted	Eng
642b05a2813182...	13	http://www.tv...	The Flash	Scripted	Eng

9. To sort the data



```
7 db.show.find().limit(10).skip(3)
8 db.show.find().sort({ id : 1 })
```

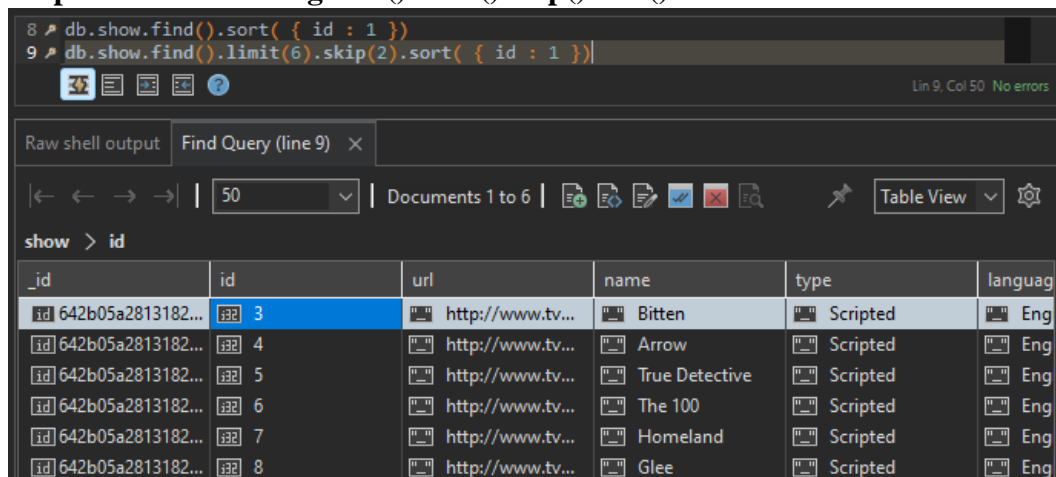
Raw shell output Find Query (line 8) X

50 Documents 1 to 50 Table View

show > id

_id	id	url	name	type	language
642b05a2813182...	1	http://www.tv...	Under the Dome	Scripted	E
642b05a2813182...	2	http://www.tv...	Person of Inter...	Scripted	E
642b05a2813182...	3	http://www.tv...	Bitten	Scripted	E
642b05a2813182...	4	http://www.tv...	Arrow	Scripted	E
642b05a2813182...	5	http://www.tv...	True Detective	Scripted	E
642b05a2813182...	6	http://www.tv...	The 100	Scripted	E
642b05a2813182...	7	http://www.tv...	Homeland	Scripted	E
642b05a2813182...	8	http://www.tv...	Glee	Scripted	E
642b05a2813182...	9	http://www.tv...	Revenge	Scripted	E
642b05a2813182...	10	http://www.tv...	Grimm	Scripted	E

10. To print the data using find().limit().skip().sort()



```
8 db.show.find().sort({ id : 1 })
9 db.show.find().limit(6).skip(2).sort({ id : 1 })
```

Raw shell output Find Query (line 9) X

50 Documents 1 to 6 Table View

show > id

_id	id	url	name	type	language
642b05a2813182...	3	http://www.tv...	Bitten	Scripted	Eng
642b05a2813182...	4	http://www.tv...	Arrow	Scripted	Eng
642b05a2813182...	5	http://www.tv...	True Detective	Scripted	Eng
642b05a2813182...	6	http://www.tv...	The 100	Scripted	Eng
642b05a2813182...	7	http://www.tv...	Homeland	Scripted	Eng
642b05a2813182...	8	http://www.tv...	Glee	Scripted	Eng