

Instantly share code, notes, and snippets.

bradtraversy / [mongodb_cheat_sheet.md](#)

Last active 20 hours ago

☆ Star

<> Code

↶ Revisions 3

☆ Stars 1,790

🔗 Forks 1,033

MongoDB Cheat Sheet

 [mongodb_cheat_sheet.md](#)

🔗 MongoDB Cheat Sheet

🔗 Show All Databases

```
show dbs
```

🔗 Show Current Database

```
db
```

🔗 Create Or Switch Database

```
use acme
```

🔗 Drop

```
db.dropDatabase()
```

🔗 Create Collection

```
db.createCollection('posts')
```

🔗 Show Collections

```
show collections
```

🔗 Insert Row

```
db.posts.insert({
  title: 'Post One',
  body: 'Body of post one',
  category: 'News',
  tags: ['news', 'events'],
  user: {
    name: 'John Doe',
    status: 'author'
  },
  date: Date()
})
```

🔗 Insert Multiple Rows

```
db.posts.insertMany([
  {
    title: 'Post Two',
    body: 'Body of post two',
    category: 'Technology',
    date: Date()
  },
  {
    title: 'Post Three',
    body: 'Body of post three',
    category: 'News',
    date: Date()
  },
  {
    title: 'Post Four',
    body: 'Body of post three',
    category: 'Entertainment',
    date: Date()
  }
])
```

🔗 Get All Rows

```
db.posts.find()
```

🔗 Get All Rows Formatted

```
db.posts.find().pretty()
```

🔗 Find Rows

```
db.posts.find({ category: 'News' })
```

🔗 Sort Rows

```
# asc
db.posts.find().sort({ title: 1 }).pretty()
# desc
db.posts.find().sort({ title: -1 }).pretty()
```

🔗 Count Rows

```
db.posts.find().count()
db.posts.find({ category: 'news' }).count()
```

🔗 Limit Rows

```
db.posts.find().limit(2).pretty()
```

🔗 Chaining

```
db.posts.find().limit(2).sort({ title: 1 }).pretty()
```

🔗 Foreach

```
db.posts.find().forEach(function(doc) {  
  print("Blog Post: " + doc.title)  
})
```

🔗 Find One Row

```
db.posts.findOne({ category: 'News' })
```

🔗 Find Specific Fields

```
db.posts.find({ title: 'Post One' }, {  
  title: 1,  
  author: 1  
})
```

🔗 Update Row

```
db.posts.update({ title: 'Post Two' },  
{  
  title: 'Post Two',  
  body: 'New body for post 2',  
  date: Date()  
},  
{  
  upsert: true  
})
```

🔗 Update Specific Field

```
db.posts.update({ title: 'Post Two' },  
{  
  $set: {  
    body: 'Body for post 2',  
    category: 'Technology'  
  }  
})
```

🔗 Increment Field (\$inc)

```
db.posts.update({ title: 'Post Two' },
{
  $inc: {
    likes: 5
  }
})
```

🔗 Rename Field

```
db.posts.update({ title: 'Post Two' },
{
  $rename: {
    likes: 'views'
  }
})
```

🔗 Delete Row

```
db.posts.remove({ title: 'Post Four' })
```

🔗 Sub-Documents

```
db.posts.update({ title: 'Post One' },
{
  $set: {
    comments: [
      {
        body: 'Comment One',
        user: 'Mary Williams',
        date: Date()
      },
      {
        body: 'Comment Two',
        user: 'Harry White',
        date: Date()
      }
    ]
  }
})
```

🔗 Find By Element in Array (\$elemMatch)

```
db.posts.find({
  comments: {
    $elemMatch: {
      user: 'Mary Williams'
    }
  }
})
```

🔗 Add Index

```
db.posts.createIndex({ title: 'text' })
```

🔗 Text Search

```
db.posts.find({
  $text: {
    $search: "\"Post 0\""
  }
})
```

🔗 Greater & Less Than

```
db.posts.find({ views: { $gt: 2 } })
db.posts.find({ views: { $gte: 7 } })
db.posts.find({ views: { $lt: 7 } })
db.posts.find({ views: { $lte: 7 } })
```



delias commented on 23 Jul 2019

You are the best brother!



cakesforfree commented on 25 Jul 2019

Gracias!



hansgarcia96 commented on 28 Jul 2019

This is AMAZING!!!!



LucasPLopes commented on 5 Aug 2019

Really helpful, thanks Brad.



ChousinRahit commented on 5 Aug 2019

Thank you soo much **Brad**



dmahdiii commented on 7 Aug 2019 • edited ▼

great Job , thank u Brad but in Mongoddb we have a document instead of a row, it can be confusing



bessa3301 commented on 7 Aug 2019

Brad is the **best**



cindyledev commented on 7 Aug 2019

Thank you!



Giyomeh commented on 10 Aug 2019

Thanks!



JohnZaccari commented on 13 Aug 2019

You're the man!



Isaac-Tait commented on 20 Aug 2019

Thank you :D



thenaveensaggam commented on 22 Aug 2019

You are always the best Brad..



TechLead-21 commented on 26 Aug 2019



praveeng1618 commented on 4 Sep 2019

brad the best



SaifRehman99 commented on 7 Sep 2019

You're Love BRAD!



SimonShameem commented on 9 Sep 2019

You are the best Brad!



richardantao commented on 16 Sep 2019

My man!



satisdrms commented on 16 Sep 2019

nothing but awesomeness!!



MarcoAlejandro commented on 24 Sep 2019

Thanks!!



RUPAK7406 commented on 24 Sep 2019 • edited ▼

Thanks for doing a tutorial on updated version of MongoDB



Freshi commented on 24 Sep 2019

Thanks Brad...really helpful.



talha-ghaffar commented on 6 Oct 2019

Thank you Brad, for so much help.



truestbyheart commented on 9 Oct 2019

Thanks a lot



NadirTellai commented on 10 Oct 2019

thank you Brad,
but just in [Find By Element in Array \(\\$elemMatch\)](#) I think it is user rather than author.



bradtraversy commented on 11 Oct 2019

thank you Brad,
but just in [Find By Element in Array \(\\$elemMatch\)](#) I think it is user rather than author.

Fixed, thank you



bharathasdev commented on 21 Oct 2019

Thanks Brad! really appreciated



yassineakermi commented on 21 Oct 2019

Thanks, Brad! You're the developers' hero!

 **bilalkhanamin** commented on 25 Oct 2019

Thanks man!

 **izzaturrahman19** commented on 30 Oct 2019

Thanks !!

 **theblackcoder33** commented on 2 Nov 2019

It should be `db.posts.find().pretty()` instead of `db.find().pretty()`. You get an error if that posts isn't there.

 **m-antoni** commented on 5 Nov 2019

Than you Sir Brad

 **zchebil** commented on 10 Nov 2019 • edited ▼

Thanks for your job
for the Get All Rows Formatted `db.posts.find().pretty()`
and not `db.find().pretty()`

 **suprth** commented on 14 Nov 2019

Thanks Brad!

 **walter-clayton** commented on 1 Dec 2019

Thanks Man!

 **roneicostajr** commented on 6 Dec 2019

Can't express how awesome you're man, thank you

 **Hungsolo3241** commented on 12 Dec 2019


Awesome sauce. Thank you for your service

 **DezDoss** commented on 14 Dec 2019

Thaks, man. Great job!!!

 **addegbenga** commented on 15 Dec 2019

this is great man thanks

 **zahqresh** commented on 23 Dec 2019

This is really helping!!!

 **samofoke** commented on 24 Dec 2019

thanks very much for the MongoDB Cheat Sheet it helps a lot.

 **FormidablePencil** commented on 3 Jan 2020

Thanks Brad

 **HDB-1** commented on 7 Jan 2020

Thanks Brad, really useful. Just to check... for the "Get all rows formatted", do you need to add "posts" as to make the command: "db.posts.find().pretty()"?

 **7issouDev** commented on 8 Jan 2020

thank your brad for this dist

thank you Brad for this gift.



jbactual commented on 24 Jan 2020

I'm sitting here watching your MongoDB Crash Course and thought about how cool it would be to have a cheat sheet and here it is. That's great! Thanks man!



Patwan commented on 27 Jan 2020

Thanks alot



hapizal commented on 17 Feb 2020

Nice, thanks man!



Helloiaia commented on 25 Feb 2020

This is super useful, thanks man.



NeuronButter commented on 27 Feb 2020

2020 and still a great reference. Thanks Brad!



SoumyaRoy95 commented on 8 Mar 2020

Thank you Brad :D



varundeva commented on 8 Mar 2020

Thanks



ghost commented on 21 Mar 2020

Thank you so much!



bltzt75 commented on 24 Mar 2020

Thank you Brad!!!



prwhoeatsnonstop commented on 2 Apr 2020

Thank you Brad!



noehoro commented on 2 Apr 2020

Thanks!



saltlake1 commented on 3 Apr 2020

U r just awesome. Thanks Brad



yl3m commented on 8 Apr 2020

Thanks Brad, really useful!



CJMaxwell commented on 11 Apr 2020

Many thanks Brad



Debayon commented on 21 Apr 2020

Thank You Brad!



Jay-Radan commented on 21 Apr 2020

tnx



theSLWayne commented on 22 Apr 2020

Thanks a lot, mate!!

 **zenUnicorn** commented on 24 Apr 2020

Thanks Brad! really appreciate this a lot

 **Parvathy84** commented on 24 Apr 2020

Thanks! This is very useful.

 **Nxele** commented on 25 Apr 2020

your teaching skills are something else my bother thanks alot.

 **ingridinara** commented on 26 Apr 2020

Thank You!

 **tugumeandree** commented on 26 Apr 2020


Thank you, bro

 **emlycool** commented on 29 Apr 2020

Thanks a lot, just what I needed. So useful

 **geekaurora** commented on 4 May 2020

Thanks!

 **gloverola** commented on 9 May 2020

Thanks a lot brad.

 **Igor2122** commented on 10 May 2020

gracias amigo :), u are awesome !!!

 **SudiDav** commented on 10 May 2020

Merci beaucoup!!!! 🙌🙌🙌

 **HiroNakamura** commented on 17 May 2020

db.github.find({ message:'Thanks'}) 👍

 **mahfuzlafin** commented on 19 May 2020


Thanks a lot, brad.

 **Hollyn** commented on 20 May 2020

Awesome! Thanks a lot

 **niksm7** commented on 24 May 2020

Thank you so much! 😊

 **vicmwass** commented on 31 May 2020

Great!!!...and Thanks


 **shraddhatawde** commented on 31 May 2020

Thanx a lot!

 **anis1011** commented on 8 Jun 2020

 commented on 6 Jun 2020

Thanks a lot

 **Paula2001** commented on 12 Jun 2020

very useful thanks

 **mannawar** commented on 14 Jun 2020

Thanks, Under Count
"db.posts.find({ category: 'news' }).count()" should be "db.posts.find({ category: 'News' }).count()"

 **Shah-Shishir** commented on 21 Jun 2020


Thanks Brad

 **bhuiyan911** commented on 2 Jul 2020

Thanks for your great work!

 **atarek12** commented on 14 Jul 2020

Thanks Brad, you really do great work

 **dulzeedg** commented on 20 Jul 2020

Thank You

 **sanjujus** commented on 24 Jul 2020

Thank you so very much Brad.

 **theashggl** commented on 25 Jul 2020

Is mongo used as Firebase for storing data online and using other services that firebase has or are these just for local data storage?

 **XiovV** commented on 26 Jul 2020

@theashggl

Is mongo used as Firebase for storing data online and using other services that firebase has or are these just for local data storage?

Mongo is used for storing data, you can use it to store data locally or put it on a server and have your backend interact with it. It's kind of like using Firebase for storing stuff online.

 **neha-nayeem** commented on 7 Aug 2020

Thank you! Under 'Get all Rows Formatted', should it be:
`db.posts.find().pretty()`
rather than:
`db.find().pretty()` ?

 **Pradip-p** commented on 21 Aug 2020

Thanks !! it's really helpful for me !!

 **raghuwanshisatyam** commented on 30 Aug 2020

thank-you brother ❤️

 **AnykeyAnydoor** commented on 31 Aug 2020

```
app.get('/posts/:id', (req, res) => {  
  Database.run('SELECT * FROM ITEMS WHERE ID=' + req.params.id,(err, result) => {  
    res.json(result);  
  });  
});
```

 **AbhiruchiMaurya** commented on 2 Sep 2020

Thanks!!

 **aldrinjenson** commented on 3 Sep 2020

Thank you Brad!

 **patman007** commented on 11 Sep 2020

Thanks!!

 **boriya123** commented on 28 Sep 2020 • edited ▼

```
db.thanks.insert({comment:"thanks, brad. it was a great tutorial."})
```

I appreciate we should learn SQL and NoSQL as both are great.

 **Blamak** commented on 28 Sep 2020

You rock!

 **pyderator** commented on 2 Oct 2020

Thank You, Brad! You are the best.

 **RioBits** commented on 10 Oct 2020

Thanks!

 **rahul188** commented on 11 Oct 2020

Get All Rows Formatted

i think this -> `db.find().pretty()` should be replace with `db.posts.find().pretty()`

 **ravinWijekoon** commented on 13 Oct 2020

Thanks!!



Benbinbin commented on 22 Oct 2020

Respect!



rukywe commented on 22 Oct 2020

Legendary



sheraz-haider commented on 30 Oct 2020

This is really awesome 🙌



Eebru-gzy commented on 31 Oct 2020

Gracias brother!!



juandxce commented on 5 Nov 2020

Thanks for the cheatsheet Brad 👍



elvis-sautet commented on 10 Nov 2020

Brad you are 🌟🌟🌟🌟




itsRealoj commented on 13 Nov 2020

You the best!




MethmaW commented on 15 Nov 2020

Thanks so much Brad!

 **Rogoski21** commented on 19 Nov 2020

Thank you !!!!

 **neer0089** commented on 21 Nov 2020

This helped a lot. Thank you.

 **AnilBairi** commented on 27 Nov 2020

Thank you!

 **DarkChocolate** commented on 30 Nov 2020

Thanks, Brad! ❤️

 **Nayeem-Uddin** commented on 3 Dec 2020 • edited ▼

Such an amazing way to teach. U r great man.....

 **asifmehmood101** commented on 9 Dec 2020

thanks man 👍

 **therootfolder** commented on 22 Dec 2020 • edited ▼

Get All Rows Formatted

```
db.find().pretty()
```

should be

```
db.posts.find().pretty()
```



Amit-karn commented on 24 Dec 2020

Thanks brad.



tleonel commented on 1 Jan

thank you!



celsolagguijr commented on 3 Jan

Thank you!



PapeMNdiaye1 commented on 6 Jan

Thank



PapeMNdiaye1 commented on 6 Jan

you!



AliRazaSharafat commented on 6 Jan

Thank you Sir....!!



learnearn2020 commented on 9 Jan

thanks



HabeebCycle commented on 11 Jan

Really useful.
Thank you



Fillin-Moledtsov commented on 14 Jan

 **Pimp Motoutsov** commented on 14 Jan

Thanks!)

 **SukumarBanda** commented on 17 Jan

gerat stuff at a shot, you've saved my time

 **Gurvindersingh1994** commented on 17 Jan

Thank you
:)

 **saafkhallid** commented on 18 Jan

tank you

 **Yash088** commented on 21 Jan

Really useful
Thank You :)


 **behzadghotbifar** commented on 24 Jan

tnx <3
you are the best !

 **satish-shah** commented on 28 Jan

Awesome mate loved this ..

 **miguelangelramirez** commented on 30 Jan

 thanks!

 **Kanegp** commented on 1 Feb

Thank you man, cheers

 **pathaqp** commented on 1 Feb

TYVM, I am a newbie to MongoDB, as an administrator, would be great if you can help me with all the admin activities. :)

 **gbhowmick1** commented on 1 Feb

Thanks Brad....

 **shivamjain** commented on 9 Feb

Thanks Brad :-)

 **osmanvee** commented on 10 Feb

Get All Rows Formatted

```
db.find().pretty()
```

should be

```
db.posts.find().pretty()
```

Was about to post the same thing!

 **lotfi-1618** commented on 17 Feb

Thanks Brad!

 **soufianekremcht** commented on 22 Feb

Thank you very much for creating this sheet .



Osi4lucy commented on 1 Mar

Thanks Brad



JenSeoul commented on 11 Mar

Thanks a lot :)



lachmed commented on 12 Mar

شكرا



MalluKumar commented on 15 Mar

Thanks a lot Brad!! Really Helpful!!



Kpal22 commented on 17 Mar

Thanks a lot 🙏



arun-me commented on 29 Mar

Thanks Brad.



nadinfromc137 commented on 17 Apr

Thank you!



witoldwegner commented on 22 Apr

Thanks Brad, really useful. Just to check... for the "Get all rows formatted", do you need to add "posts" as to make the command: "db.posts.find().pretty()"?

Just had the same problem.
`db.posts.find().pretty()` is correct

 **phanquangtom** commented on 29 Apr

appreciate bro!

 **Amol-Jore-Vituity** commented on 3 May

Really helpful, thanks Brad.

 **KrishKashiwala** commented on 13 May

Always , great content .

 **Eng-Mert** commented on 18 May

Thank You

 **FedyBenNaceur** commented on 18 May

Thanks for the tutorial

 **simunji** commented on 26 May • edited ▼

"Brother you rock! God Bless you always. "

 **vikashk1** commented on 4 Jun

Thank You

 **SteplerPaulo** commented on 8 Jun

Thank you! from the Philippines



regkeys commented on 9 Jun

thanks as always - great teacher also...



AjiteshMahalingam commented on 15 Jun

Thank you sooo much.



Temkum commented on 18 Jun

Thanks a million, Brad.



SMD-1 commented on 24 Jun

Thank You soo much :)



silvesterwali commented on 28 Jun

thank you



sohagdev commented on 1 Jul

thank you Brad



theouerd commented on 3 Jul

Thanks Brad.



MajorGamerJay commented on 16 Jul

Gonna say this the second time, thanks Brad :D



D3CIPH3R commented on 3 Aug

Amazing work buddy
I was looking for something like this. thank you



zubair-kamboh commented on 26 Aug

Awesome



Rey79-coder commented on 27 Aug

Thanks!



DionMS8 commented on 29 Aug

Thank you so much!



jimjam-13 commented on 2 Sep

Thanks for the cheatsheet bro.



ccf19881030 commented on 5 Sep

Thanks! It's very helpful for me.



lewisc99 commented on 13 Sep

thanks a lot hehe



ghost commented on 27 Sep

These kinds of summaries or cheat sheets are really helpful.
Thank you, bro.



saddam734 commented on 6 Oct

Thank You BRAD