

MongoDB Cheat Sheet

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> mongod --dbpath ./data/db
# otevreste nove okno

> mongoimport --host=127.0.0.1 --db test --collection restaurants --drop
--file ./data/primer-dataset.json

> mongo
# a muzeme zacit :)

> show dbs
# ukaze existujici databaze

> db
# zjistime, ve ktere databazi jsme

> use test
# pouzijeme databazi test

> show collections
# ukaze nam kolekce ve vybrane databazi

> db.restaurants.find().limit(1)
# a nebo lepe
> db.restaurants.find().limit(1).pretty()

> db.restaurants.find({"cuisine": "Bakery"}).limit(2).pretty()
> db.restaurants.find({"address.building": "120"}).limit(2).pretty()
> db.restaurants.find({"grades.score": {$gt: 50}}).limit(2).pretty()
# $lt:50, $lte:50, $gt:50, $gte:50, ne:50

> db.restaurants.find({ "name": "Polish National Home", "cuisine":
"Polish"}).limit(2).pretty()
# .find({ $or: [ {key1: value1}, {key2:value2} ] })
# .find({ $or: [ {key1: value1}, {key2:value2} ], {key3:value3} })

# vkladani zaznamu
# db.name.insert({document}) == db.name.save({})
```

```

> db.restaurants.insert({ "name": "Moje restaurace", "cuisine": "Czech"})

# podivame se na nas zaznam
> db.restaurants.find({ "name": "Moje restaurace", "cuisine":
"Czech"}).limit(2).pretty()

# update zaznamu
> db.restaurants.update({"name": "Moje restaurace"}, { $set: {"name":
"Czechitas restaurace"} }, {multi: true})

# projekce hledani
> db.restaurants.find({ "name": "Czechitas restaurace", "cuisine":
"Czech"}, {"_id": 0, "name": 1}).limit(2).pretty()

# preskoceni zaznamu
> db.restaurants.find({ "name": "Czechitas restaurace"}).skip(1).pretty()

# razeni vysledku
> db.restaurants.find({}, { "name": 1, "_id": 0 }).limit(10).sort({ "name":
1 }).pretty()

# vytvorime indexy pro rychle hledani
> db.restaurants.ensureIndex({ "name": 1, "cuisine": -1 })

# agregace
> db.restaurants.aggregate([{$group : {_id : "$name", avg_score : {$avg :
"$grades.score"}}}]).pretty()

```