

MongoDb Commands

Note- primary key is object id here
and object id is automatically defined here

[1] View all databases
-> show dbs

[2] create new or switch database
-> use <dbName>

[3] View current Database
-> db

[4] Delete Database
-> db.dropDatabase();

[5] Use existing database
-> use <dbName>

[6] Show collections
-> show collections

[7] Create collection
-> db.createCollection('<collectionName>');

[8] Delete / Drop collection
-> db.<collectionName>.drop();

//MongoDB commands for Rows

[9] Insert One Rows
-> db.<collectionName>.insert({
 'name': 'atikrangnekar',
 'language': 'JavaScript',
 'sport': 'cricket'
})

[10] Insert many Rows
-> db.<collectionName>.insertMany(
 [
 {
 'name': 'man1',
 'language': 'JavaScript',
 'sport': 'cricket'
 },
 {
 'name': 'man2',
 'language': 'Python',
 'sport': 'football'
 },
 {
 'name': 'man3',
 'language': 'C++',
 'sport': 'BasketBall'
 }
]
)

[12] Show ObjectId / Show all Row in collection
-> db.<collectionName>.find()

[13] Show all Rows in a collection (pretty format)
-> db.<collectionName>.find().pretty()

```
[14] Update a Row
-> db.<collectionName>.insert({
  '_id' : '' //same id which you want to update
  'name': 'man1',
  'lang': 'ruby',
  'member_since': 5,
  'date' : ISODate("2021-06-05T13:08:07.534z")
})
```

```
[15] Search in a MongoDB Database
db.<collectionName>.find(
  {
    lang:Python
  },
  {
    name: man1
  }
)
```

```
[16] Show no of rows present i a current collection |
limit the number of rows in output
-> db.<collectionName>.find().pretty().limit(<Integer>)
```

```
[17] Count Rows
->db.<collectionName>.find().count() => 5
->db.<collectionName>.find().pretty().limit(2).count() => 5
->db.comments.find({name: 'Harry'}).count() => 3
```

```
[18] Sort with field in ascending use 1 for descending use -1;
->db.<collectionName>.find.sort({member_since : 1}).pretty() //ascending
->db.<collectionName>.find.sort({member_since : -1}).pretty()
//descending
```

```
[19] Show One Row | Find the Row matching the object
-> db.comments.findOne({name: 'Harry'})
```

```
[20] Update a rows
db.<collectionName>.update({name: 'harry'}),
{
  'name': 'harry',
  'lang': 'javascript',
  'member_since': 51
}
```

```
[21] Insert a new Row which is not there
db.<collectionName>.update({
  'name': 'harry23',
  'lang': 'javascript',
  'member_since': 51
}, {upsert: true})
```

Update Operators -

```
[22] MongoDB Increment Operator
db.<collectionName>.update({
  name: Rohan
},
{$inc:{
  member_since: 2
}}
)
```

```
[23] MongoDB rename Operator
db.<collectionName>.update({
```

```
    name: Rohan
  },
  {$rename:{
    member_since: "member"
  }}
)
```

```
[24] Delete Row | Remove Row
db.<collectionName>.remove({
  name: Rohan
})
```

```
[25] less than [$lt] | greates than [$gt]
db.<collectionName>.find(member_since : {$lt: 90})
db.<collectionName>.find(member_since : {$gt: 24})
```

```
[]
```

