

Mongo DB: Basic Commands

1) Command: use

Purpose: creation of database

Input (the command typed in mongoshell) :

```
> use football
```

Output (the output of command from mongoshell):

```
> use football  
switched to db football
```

2) Command: createCollection

Purpose: Create Collection

Input:

```
> db.createCollection("players")
```

Output:

```
{ "ok" : 1 }
```

3) Command: show collections

Purpose: Display Collections

Input:

```
> show collections
```

Output (i.e. the output of command from mongoshell):

```
players
```

4) Command: insertMany

Purpose: insert documents into collections

Input:

```
>
```

```
db.players.insertMany([ {name:"messi",jersey:10,position:"rw",goals:18}, {name:"suarez",jersey:9,position:"st",goals:11}, {name:"griezmann",jersey:17,position:"cf",goals:8} ])
```

Output:

```
{  
  "acknowledged": true,  
  "insertedIds": [  
    ObjectId("5e54a2cbfdd069036952618a"),  
    ObjectId("5e54a2cbfdd069036952618b"),  
    ObjectId("5e54a2cbfdd069036952618c")  
  ]  
}
```

```
    ]  
  }
```

5) Command: find

Purpose: display the documents in the collection

Input:

```
> db.players.find().pretty()
```

Output:

```
{  
  "_id" : ObjectId("5e54a2cbfdd069036952618a"),  
  "name" : "messi",  
  "jersey" : 10,  
  "position" : "rw",  
  "goals" : 18  
}  
{  
  "_id" : ObjectId("5e54a2cbfdd069036952618b"),  
  "name" : "suarez",  
  "jersey" : 9,  
  "position" : "st",  
  "goals" : 11  
}  
{  
  "_id" : ObjectId("5e54a2cbfdd069036952618c"),  
  "name" : "griezmann",  
  "jersey" : 17,  
  "position" : "cf",  
  "goals" : 8  
}
```

6) Command: insertMany

Purpose: insert many documents at once

Input:

```
>
```

```
db.players.insertMany([ {name:"lenglet",jersey:15,position:"cb",goals:4}, {name:"alba",jersey  
:18,position:"lb",goals:2}, {name:"pique",jersey:3,position:"cb",goals:4} ])
```

Output:

```
{  
  "acknowledged" : true,  
  "insertedIds" : [  
    ObjectId("5e54a375fdd069036952618d"),  
    ObjectId("5e54a375fdd069036952618e"),  
    ObjectId("5e54a375fdd069036952618f")  
  ]  
}
```

```
}
```

7) Command: insertOne

Purpose: insert one document at a time

Input:

```
> db.players.insertOne({name:"de jong",jersey:21,position:"cm",goals:6})
```

Output:

```
{
  "acknowledged" : true,
  "insertedId" : ObjectId("5e54a3bafdd0690369526190")
}
```

8) Command: find()

Purpose: find document with particular attribute

Input:

```
> db.players.find({position:"cb"})
```

Output:

```
{ "_id" : ObjectId("5e54a375fdd069036952618d"), "name" : "lenglet", "jersey" : 15,
  "position" : "cb", "goals" : 4 }
{ "_id" : ObjectId("5e54a375fdd069036952618f"), "name" : "pique", "jersey" : 3, "position" :
  "cb", "goals" : 4 }
```

9) Command: drop

Purpose: drop the table

Input:

```
> dn.players.drop()
```

Output (i.e. the output of command from mongoshell):

true

10) Command: findOne

Purpose: find first row

Input:

```
> db.players.findOne()
```

Output:

```
{
  "_id" : ObjectId("5e54a2cbfdd069036952618a"),
  "name" : "messi",
  "jersey" : 10,
  "position" : "rw",
}
```

```
    "goals" : 18
  }
```

11) Command: relational operator (\$eq)

Purpose: put conditions into the query (Here, to get object of id=88)

Input:

```
> db.course.find({"id" : { $eq : 88}}).pretty()
```

Output:

```
{
  "_id" : ObjectId("5e61d4a50c978879338d5416"),
  "name" : "mohit",
  "id" : 88,
  "city" : "jaipur"
}
```