

**#To show all databases in MongoDB**

**show dbs;**

```
BDA          80.00 KiB
BDA1         8.00 KiB
admin        120.00 KiB
config       60.00 KiB
local        160.00 KiB
myDB         8.00 KiB
poulations   56.00 KiB
test         80.00 KiB
```

**#To switch to admin database**

**use admin;**

**'switched to db admin'**

**#To show collections in database**

**show collections;**

```
employees
Student
system.version
```

**#To create a collection "Movie"**

**db.createCollection('Movie');**

**{ ok: 1 }**

**#To insert one row in collection**

**db.Movie.insertOne({ID:1,Title:"Terminator",Director:"Sanjay",Year:1985,Budget:25000000});**

**{ acknowledged: true,  
insertedId: ObjectId("64302a42c27158d639b83646") }**

**db.Movie.insertOne({ID:2,Title:"DDLJ",Director:"Karan",Year:1989,Budget:2000000});**

**{ acknowledged: true,  
insertedId: ObjectId("64302a86c27158d639b83647") }**

**#To display Movie with Id =2**

**db.Movie.find({ID:2});**

```
{ _id: ObjectId("64302a86c27158d639b83647"),  
ID: 2,  
Title: 'DDLJ',  
Director: 'Karan',  
Year: 1989,
```

Budget: 20000000 }

**#To display collection**

```
db.Movie.find();
{ _id: ObjectId("64302a42c27158d639b83646"),
ID: 1,
Title: 'Terminator',
Director: 'Sanjay',
Year: 1985,
Budget: 25000000 }
{ _id: ObjectId("64302a86c27158d639b83647"),
ID: 2,
Title: 'DDLJ',
Director: 'Karan',
Year: 1989,
Budget: 20000000 }
```

**#To display multiple values in collection**

```
db.Movie.insertMany([ {ID:3,Title:"Dabang",Director:"salman",Year:2012,Budget:30000000}, {ID:4,Title:"Bagban",Director:"Dharmendra",Year:2010,Budget:1500000} ] );
```

```
{ acknowledged: true,
insertedIds:
{ '0': ObjectId("64302b79c27158d639b83648"),
'1': ObjectId("64302b79c27158d639b83649") } }
```

**#To display values in collection**

```
db.Movie.find();
{ _id: ObjectId("64302a42c27158d639b83646"),
ID: 1,
Title: 'Terminator',
Director: 'Sanjay',
Year: 1985,
Budget: 25000000 }
{ _id: ObjectId("64302a86c27158d639b83647"),
ID: 2,
Title: 'DDLJ',
Director: 'Karan',
Year: 1989,
Budget: 20000000 }
{ _id: ObjectId("64302b79c27158d639b83648"),
ID: 3,
Title: 'Dabang',
Director: 'salman',
Year: 2012,
Budget: 30000000 }
{ _id: ObjectId("64302b79c27158d639b83649"),
```

ID: 4,  
Title: **'Bagban'**,  
Director: **'Dharmendra'**,  
Year: 2010,  
Budget: 15000000 }

**#To update collection to set Title = Robot where Title = Terminator**

```
db.Movie.updateOne({'Title': 'Terminator'}, {$set: {'Title': 'Robot'}});  
{ acknowledged: true,  
  insertedId: null,  
  matchedCount: 1,  
  modifiedCount: 1,  
  upsertedCount: 0 }
```

**#To display values in collection**

```
db.Movie.find();  
{ _id: ObjectId("64302a42c27158d639b83646"),  
  ID: 1,  
  Title: 'Robot',  
  Director: 'Sanjay',  
  Year: 1985,  
  Budget: 25000000 }  
{ _id: ObjectId("64302a86c27158d639b83647"),  
  ID: 2,  
  Title: 'DDLJ',  
  Director: 'Karan',  
  Year: 1989,  
  Budget: 20000000 }  
{ _id: ObjectId("64302b79c27158d639b83648"),  
  ID: 3,  
  Title: 'Dabang',  
  Director: 'salman',  
  Year: 2012,  
  Budget: 30000000 }  
{ _id: ObjectId("64302b79c27158d639b83649"),  
  ID: 4,  
  Title: 'Bagban',  
  Director: 'Dharmendra',  
  Year: 2010,  
  Budget: 15000000 }
```

**#To display movies released before 2012 and having budget greater than 500000.**

```
db.Movie.find({$and: [{Year: {$lt: 2012}}, {Budget: {$gt: 500000}}]}).pretty()  
{  
  _id: ObjectId("64302a42c27158d639b83646"),  
  ID: 1,
```

```

    Title: 'Robot',
    Director: 'Sanjay',
    Year: 1985,
    Budget: 25000000
}
{
  _id: ObjectId("64302a86c27158d639b83647"),
  ID: 2,
  Title: 'DDLJ',
  Director: 'Karan',
  Year: 1989,
  Budget: 20000000
}
{
  _id: ObjectId("64302b79c27158d639b83649"),
  ID: 4,
  Title: 'Bagban',
  Director: 'Dharmendra',
  Year: 2010,
  Budget: 15000000
}

```

**#To perform aggregate functions like min(), max(), sum() and avg() on budget of the movie**

```

db.Movie.aggregate([{$group : {_id : "null", min_Budget : {$min :
"$Budget"}}}])

```

```

{
  _id: 'null',
  min_Budget: 15000000
}

```

```

db.Movie.aggregate([{$group : {_id : "null", max_Budget : {$max :
"$Budget"}}}])

```

```

{
  _id: 'null',
  max_Budget: 30000000
}

```

```

db.Movie.aggregate([{$group : {_id : "null", sum_Budget : {$sum :
"$Budget"}}}])

```

```

{
  _id: 'null',
  sum_Budget: 90000000
}

db.Movie.aggregate([{$group : {_id : "null", avg_Budget : {$avg :
"$Budget"}}}]]))

{
  _id: 'null',
  avg_Budget: 22500000
}

```

**#To display count of values entered in collection**  
db.Movie.find().count()