1.

Answer:

MongoDB Enterprise atlas-1apdfe-shard-0:PRIMARY> db.movies.insertMany([

...

... {

...

... title : "Fight Club",

... writer : "Chuck Palahniuko",

... year : 199,

... actors: [

... "Brad Pitt",

... "Edward Norton"

... ]

... },

... {

...

... title: "Pulip Fiction",

... writer : "Quentin Taranitno",

... year : 1994,

... actors : [

... "John Travoita",

... "Uma Thurman"

... ]

... },

... {

...

... title : "Ingiorious Basterds",

... writer : "Quentin Taranitno",

... year : 2009,

... actors : [

... "Brad Pitt",

... "Diane kruger",

... "Eli Roth"

... ]

... },

... {

...

... title : "The Hobbit An Unexpeted Journey",

... writer: "J.R.R. Tolkein",

... year : 2012,

... franchise : "The Hobbit"

... },

... {

...

... title : "The Hobbit The Desolation of Smaug",

... writer : "J.R.R Tolkein",

... year : 2013,

... franchise : "The Hobbit"

... },

... {

...

... title : "The Hobbit The Battle of the Five Armies",

... writer: "J.R.R. Tolkein",

... year : 2012,

... franchise: "The Hobbit",

... synopsis : "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain darkness"

... },

... {

...

... title: "Pee Wee Hermans Big adventure"

... },

... {

... title : "Avatar"

... }

...

... ]

... )

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60a947002c7d718843e4036d"),

ObjectId("60a947002c7d718843e4036e"),

ObjectId("60a947002c7d718843e4036f"),

ObjectId("60a947002c7d718843e40370"),

ObjectId("60a947002c7d718843e40371"),

ObjectId("60a947002c7d718843e40372"),

ObjectId("60a947002c7d718843e40373"),

ObjectId("60a947002c7d718843e40374")

]

}

Query/Find Document

1.

Answer:

db.movies.find().pretty()

{

"\_id" : ObjectId("60a947002c7d718843e4036d"),

"title" : "Fight Club",

"writer" : "Chuck Palahniuko",

"year" : 199,

"actors" : [

"Brad Pitt",

"Edward Norton"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036e"),

"title" : "Pulip Fiction",

"writer" : "Quentin Taranitno",

"year" : 1994,

"actors" : [

"John Travoita",

"Uma Thurman"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036f"),

"title" : "Ingiorious Basterds",

"writer" : "Quentin Taranitno",

"year" : 2009,

"actors" : [

"Brad Pitt",

"Diane kruger",

"Eli Roth"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e40370"),

"title" : "The Hobbit An Unexpeted Journey",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit"

}

{

"\_id" : ObjectId("60a947002c7d718843e40371"),

"title" : "The Hobbit The Desolation of Smaug",

"writer" : "J.R.R Tolkein",

"year" : 2013,

"franchise" : "The Hobbit"

}

{

"\_id" : ObjectId("60a947002c7d718843e40372"),

"title" : "The Hobbit The Battle of the Five Armies",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain darkness"

}

{

"\_id" : ObjectId("60a947002c7d718843e40373"),

"title" : "Pee Wee Hermans Big adventure"

}

{ "\_id" : ObjectId("60a947002c7d718843e40374"), "title" : "Avatar" }

2.

Answer:

> db.movies.find({"writer":"Quentin Taranitno"}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e4036e"),

"title" : "Pulip Fiction",

"writer" : "Quentin Taranitno",

"year" : 1994,

"actors" : [

"John Travoita",

"Uma Thurman"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036f"),

"title" : "Ingiorious Basterds",

"writer" : "Quentin Taranitno",

"year" : 2009,

"actors" : [

"Brad Pitt",

"Diane kruger",

"Eli Roth"

]

}

3.

Answer:

> db.movies.find({"actors":"Brad Pitt"}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e4036d"),

"title" : "Fight Club",

"writer" : "Chuck Palahniuko",

"year" : 199,

"actors" : [

"Brad Pitt",

"Edward Norton"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036f"),

"title" : "Ingiorious Basterds",

"writer" : "Quentin Taranitno",

"year" : 2009,

"actors" : [

"Brad Pitt",

"Diane kruger",

"Eli Roth"

]

}

4.

Answer:

> db.movies.find({"franchise" : "The Hobbit"}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e40370"),

"title" : "The Hobbit An Unexpeted Journey",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit"

}

{

"\_id" : ObjectId("60a947002c7d718843e40371"),

"title" : "The Hobbit The Desolation of Smaug",

"writer" : "J.R.R Tolkein",

"year" : 2013,

"franchise" : "The Hobbit"

}

{

"\_id" : ObjectId("60a947002c7d718843e40372"),

"title" : "The Hobbit The Battle of the Five Armies",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain darkness"

}

5.

Answer:

> db.movies.find({year:{$lt:2000}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e4036d"),

"title" : "Fight Club",

"writer" : "Chuck Palahniuko",

"year" : 1990,

"actors" : [

"Brad Pitt",

"Edward Norton"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036e"),

"title" : "Pulip Fiction",

"writer" : "Quentin Taranitno",

"year" : 1994,

"actors" : [

"John Travoita",

"Uma Thurman"

]

}

6.

Answer:

> db.movies.find({year:{$gt:2000},year:{$lt:2010}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e4036d"),

"title" : "Fight Club",

"writer" : "Chuck Palahniuko",

"year" : 199,

"actors" : [

"Brad Pitt",

"Edward Norton"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036e"),

"title" : "Pulip Fiction",

"writer" : "Quentin Taranitno",

"year" : 1994,

"actors" : [

"John Travoita",

"Uma Thurman"

]

}

{

"\_id" : ObjectId("60a947002c7d718843e4036f"),

"title" : "Ingiorious Basterds",

"writer" : "Quentin Taranitno",

"year" : 2009,

"actors" : [

"Brad Pitt",

"Diane kruger",

"Eli Roth"

]

}

Update Document

1.

Answer:

> db.movies.update(

... {title : "The Hobbit An Unexpeted Journey"},

... {$set:{synopsis:'A reluctant hobbit,Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaims their mountains home - and the gold within it -from the dragon Smaug'}}

...

... )

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

2.

Answer:

> db.movies.update({

... title : "The Hobbit The Desolation of Smaug"},

... {$set:{synopsis:'The dwarve,al0ong with Bilbo and gandaif the greay, continue their quest to reclaim Erebor, their homeland form Smag, bilbo is in possession of a mysterious and magical ring'}

... })

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

3.

Answer:

> db.movies.update( {"title" : "Pulip Fiction"}, {$set : {actors:"Samuael L. Jackson"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

Text Search

1.

Answer:

> db.movies.find({$text:{$search:'bilbo'}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e40371"),

"title" : "The Hobbit The Desolation of Smaug",

"writer" : "J.R.R Tolkein",

"year" : 2013,

"franchise" : "The Hobbit",

"synopsis" : "The dwarve,al0ong with Bilbo and gandaif the greay, continue their quest to reclaim Erebor, their homeland form Smag, bilbo is in possession of a mysterious and magical ring"

}

{

"\_id" : ObjectId("60a947002c7d718843e40372"),

"title" : "The Hobbit The Battle of the Five Armies",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain darkness"

}

{

"\_id" : ObjectId("60a947002c7d718843e40370"),

"title" : "The Hobbit An Unexpeted Journey",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "A reluctant hobbit,Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaims their mountains home - and the gold within it -from the dragon Smaug"

}

2.

Answer:

> db.movies.find( { $text:{$search:"Gandaif"}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e40371"),

"title" : "The Hobbit The Desolation of Smaug",

"writer" : "J.R.R Tolkein",

"year" : 2013,

"franchise" : "The Hobbit",

"synopsis" : "The dwarve,al0ong with Bilbo and gandaif the greay, continue their quest to reclaim Erebor, their homeland form Smag, bilbo is in possession of a mysterious and magical ring"

}

3.

Answer:

> db.movies.find( { $text:{$search:"Bilbo -Gandaif"}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e40372"),

"title" : "The Hobbit The Battle of the Five Armies",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain darkness"

}

{

"\_id" : ObjectId("60a947002c7d718843e40370"),

"title" : "The Hobbit An Unexpeted Journey",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "A reluctant hobbit,Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaims their mountains home - and the gold within it -from the dragon Smaug"

}

4.

Answer:

> db.movies.find( { $text:{$search:"dwarves hobbit"}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e40371"),

"title" : "The Hobbit The Desolation of Smaug",

"writer" : "J.R.R Tolkein",

"year" : 2013,

"franchise" : "The Hobbit",

"synopsis" : "The dwarve,al0ong with Bilbo and gandaif the greay, continue their quest to reclaim Erebor, their homeland form Smag, bilbo is in possession of a mysterious and magical ring"

}

{

"\_id" : ObjectId("60a947002c7d718843e40370"),

"title" : "The Hobbit An Unexpeted Journey",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "A reluctant hobbit,Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaims their mountains home - and the gold within it -from the dragon Smaug"

}

5.

Answer:

> db.movies.find( { $text:{$search:"\"gold\" \"dragon\""}}).pretty()

{

"\_id" : ObjectId("60a947002c7d718843e40370"),

"title" : "The Hobbit An Unexpeted Journey",

"writer" : "J.R.R. Tolkein",

"year" : 2012,

"franchise" : "The Hobbit",

"synopsis" : "A reluctant hobbit,Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaims their mountains home - and the gold within it -from the dragon Smaug"

}

Delete Document

1.

Answer:

> db.movies.deleteOne(

... {

... "title" : "Pee Wee Hermans Big adventure"

... }

... )

{ "acknowledged" : true, "deletedCount" : 1 }

2.

Answer:

> db.movies.deleteOne(

... {

... "title" : "Avatar"

... }

... )

{ "acknowledged" : true, "deletedCount" : 1 }

Quering related collections

1)

Answer: db.users.find().pretty()

2)

Answer: db.posts.find().pretty()

3)

Answer: db.posts.find({username:"GoodGuyGreg"}).pretty()

4)

Answer: db.posts.find({username:"Scumbagsteve"}).pretty()

5)

Answer: db.comments.find().pretty()

6)

Answer:

db.comments.find({username:"GoodGuyGreg"}).pretty()

7)

Answer:

db.comments.find({username:"Scumbagsteve"}).pretty()