> db.movie.find().pretty()

{

"\_id" : ObjectId("5d92cb387e445733060279fc"),

"Movie\_id" : 101,

"User\_id" : 1,

"Title" : "Toy Story(1995)",

"Status" : "A",

"Rating" : 4

}

{

"\_id" : ObjectId("5d92cb587e445733060279fd"),

"Movie\_id" : 102,

"User\_id" : 2,

"Title" : "ice-age(2005)",

"Status" : "A",

"Rating" : 4.5

}

{

"\_id" : ObjectId("5d92cbad7e445733060279fe"),

"Movie\_id" : 103,

"User\_id" : 3,

"Title" : "Fast & Furious:Hobbs & shaw(2019)",

"Status" : "A",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cc0c7e445733060279ff"),

"Movie\_id" : 104,

"User\_id" : 4,

"Title" : "Avengers:End Game(2019)",

"Status" : "P",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cc357e44573306027a00"),

"Movie\_id" : 105,

"User\_id" : 5,

"Title" : "Captain Marvel(2018)",

"Status" : "A",

"Rating" : 3

}

{

"\_id" : ObjectId("5d92cc6b7e44573306027a01"),

"Movie\_id" : 106,

"User\_id" : 6,

"Title" : "The Conjuring(2018)",

"Status" : "A",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92ccd47e44573306027a02"),

"Movie\_id" : 205,

"User\_id" : 100,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92ccff7e44573306027a03"),

"Movie\_id" : 115,

"User\_id" : 210,

"Title" : "Fast & furious(2007)",

"Status" : "A",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cd2d7e44573306027a04"),

"Movie\_id" : 205,

"User\_id" : 350,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 4.5

}

{

"\_id" : ObjectId("5d92cd587e44573306027a05"),

"Movie\_id" : 205,

"User\_id" : 150,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 3.5

}

> db.movie.dropIndexes()

{

"nIndexesWas" : 2,

"msg" : "non-\_id indexes dropped for collection",

"ok" : 1

}

> db.movie.ensureIndex({"Movie\_id":1})

> db.movie.find().explain()

{

"cursor" : "BasicCursor",

"isMultiKey" : false,

"n" : 10,

"nscannedObjects" : 10,

"nscanned" : 10,

"nscannedObjectsAllPlans" : 10,

"nscannedAllPlans" : 10,

"scanAndOrder" : false,

"indexOnly" : false,

"nYields" : 0,

"nChunkSkips" : 0,

"millis" : 0,

"indexBounds" : {

},

"server" : "localhost.localdomain:27017"

}

> db.movie.getIndexes()

[

{

"v" : 1,

"key" : {

"\_id" : 1

},

"ns" : "parvej.movie",

"name" : "\_id\_"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1"

}

]

> db.movie.find().pretty().sort({"Movie\_id":-1})

{

"\_id" : ObjectId("5d92cd587e44573306027a05"),

"Movie\_id" : 205,

"User\_id" : 150,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92cd2d7e44573306027a04"),

"Movie\_id" : 205,

"User\_id" : 350,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 4.5

}

{

"\_id" : ObjectId("5d92ccd47e44573306027a02"),

"Movie\_id" : 205,

"User\_id" : 100,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92ccff7e44573306027a03"),

"Movie\_id" : 115,

"User\_id" : 210,

"Title" : "Fast & furious(2007)",

"Status" : "A",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cc6b7e44573306027a01"),

"Movie\_id" : 106,

"User\_id" : 6,

"Title" : "The Conjuring(2018)",

"Status" : "A",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92cc357e44573306027a00"),

"Movie\_id" : 105,

"User\_id" : 5,

"Title" : "Captain Marvel(2018)",

"Status" : "A",

"Rating" : 3

}

{

"\_id" : ObjectId("5d92cc0c7e445733060279ff"),

"Movie\_id" : 104,

"User\_id" : 4,

"Title" : "Avengers:End Game(2019)",

"Status" : "P",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cbad7e445733060279fe"),

"Movie\_id" : 103,

"User\_id" : 3,

"Title" : "Fast & Furious:Hobbs & shaw(2019)",

"Status" : "A",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cb587e445733060279fd"),

"Movie\_id" : 102,

"User\_id" : 2,

"Title" : "ice-age(2005)",

"Status" : "A",

"Rating" : 4.5

}

{

"\_id" : ObjectId("5d92cb387e445733060279fc"),

"Movie\_id" : 101,

"User\_id" : 1,

"Title" : "Toy Story(1995)",

"Status" : "A",

"Rating" : 4

}

> db.movie.ensureIndex({"Movie\_id":-1})

> db.movie.aggregate([{$match:{Title:"The Mask(2007)"}},{$group:{\_id:"$Movie\_id",Total:{$sum:"$Rating"}}}])

{ "result" : [ { "\_id" : 205, "Total" : 11.5 } ], "ok" : 1 }

> db.movie.aggregate([{$match:{Title:"ice-age(2005)"}},{$group:{\_id:"$Movie\_id",Total:{$sum:"$Rating"}}}])

{ "result" : [ { "\_id" : 102, "Total" : 4.5 } ], "ok" : 1 }

> db.movie.reIndex({"Rating":1})

{

"nIndexesWas" : 3,

"msg" : "indexes dropped for collection",

"nIndexes" : 3,

"indexes" : [

{

"key" : {

"\_id" : 1

},

"ns" : "parvej.movie",

"name" : "\_id\_"

},

{

"key" : {

"Movie\_id" : 1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1"

},

{

"key" : {

"Movie\_id" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_-1"

}

],

"ok" : 1

}

> db.movie.ensureIndex({"Movie\_id":1},{"Rating":-1})

> db.movie.ensureIndex({"Movie\_id":1},{"Rating":-1}).getIndexes()

Tue Oct 1 10:31:37.666 TypeError: Cannot call method 'getIndexes' of undefined

> db.movie.getIndexes()

[

{

"v" : 1,

"key" : {

"\_id" : 1

},

"ns" : "parvej.movie",

"name" : "\_id\_"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1"

},

{

"v" : 1,

"key" : {

"Movie\_id" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_-1"

}

]

> db.movie.ensureIndex({"Movie\_id":1,"Rating":-1})

> db.movie.getIndexes()

[

{

"v" : 1,

"key" : {

"\_id" : 1

},

"ns" : "parvej.movie",

"name" : "\_id\_"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1"

},

{

"v" : 1,

"key" : {

"Movie\_id" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_-1"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1,

"Rating" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1\_Rating\_-1"

}

]

> db.movie.ensureIndex({"Movie\_id":1,"User\_id":1,"Rating":-1})

> db.movie.getIndexes()

[

{

"v" : 1,

"key" : {

"\_id" : 1

},

"ns" : "parvej.movie",

"name" : "\_id\_"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1"

},

{

"v" : 1,

"key" : {

"Movie\_id" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_-1"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1,

"Rating" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1\_Rating\_-1"

},

{

"v" : 1,

"key" : {

"Movie\_id" : 1,

"User\_id" : 1,

"Rating" : -1

},

"ns" : "parvej.movie",

"name" : "Movie\_id\_1\_User\_id\_1\_Rating\_-1"

}

]

> db.movie.find().limit().pretty()

{

"\_id" : ObjectId("5d92cb387e445733060279fc"),

"Movie\_id" : 101,

"User\_id" : 1,

"Title" : "Toy Story(1995)",

"Status" : "A",

"Rating" : 4

}

{

"\_id" : ObjectId("5d92cb587e445733060279fd"),

"Movie\_id" : 102,

"User\_id" : 2,

"Title" : "ice-age(2005)",

"Status" : "A",

"Rating" : 4.5

}

{

"\_id" : ObjectId("5d92cbad7e445733060279fe"),

"Movie\_id" : 103,

"User\_id" : 3,

"Title" : "Fast & Furious:Hobbs & shaw(2019)",

"Status" : "A",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cc0c7e445733060279ff"),

"Movie\_id" : 104,

"User\_id" : 4,

"Title" : "Avengers:End Game(2019)",

"Status" : "P",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cc357e44573306027a00"),

"Movie\_id" : 105,

"User\_id" : 5,

"Title" : "Captain Marvel(2018)",

"Status" : "A",

"Rating" : 3

}

{

"\_id" : ObjectId("5d92cc6b7e44573306027a01"),

"Movie\_id" : 106,

"User\_id" : 6,

"Title" : "The Conjuring(2018)",

"Status" : "A",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92ccd47e44573306027a02"),

"Movie\_id" : 205,

"User\_id" : 100,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 3.5

}

{

"\_id" : ObjectId("5d92ccff7e44573306027a03"),

"Movie\_id" : 115,

"User\_id" : 210,

"Title" : "Fast & furious(2007)",

"Status" : "A",

"Rating" : 5

}

{

"\_id" : ObjectId("5d92cd2d7e44573306027a04"),

"Movie\_id" : 205,

"User\_id" : 350,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 4.5

}

{

"\_id" : ObjectId("5d92cd587e44573306027a05"),

"Movie\_id" : 205,

"User\_id" : 150,

"Title" : "The Mask(2007)",

"Status" : "P",

"Rating" : 3.5

}

> db.movie.dropIndexes()

{

"nIndexesWas" : 2,

"msg" : "non-\_id indexes dropped for collection",

"ok" : 1

}