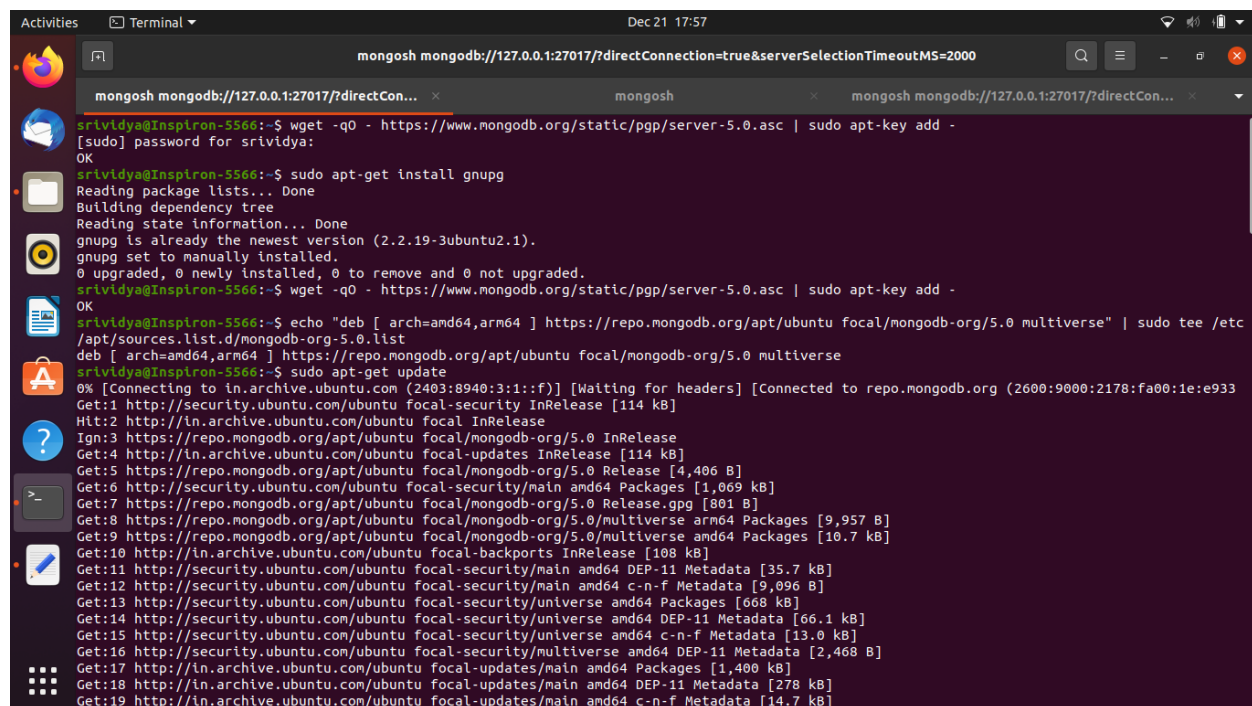


Installation Of mongodb

MongoDB is an open source NoSQL database management program. NoSQL is used as an alternative to traditional relational databases. NoSQL databases are quite useful for working with large sets of distributed data. MongoDB is a tool that can manage document-oriented information, store or retrieve information.

MongoDB makes use of records which are made up of documents that contain a data structure composed of field and value pairs. Documents are the basic unit of data in MongoDB. The documents are similar to [JavaScript Object Notation](#), but use a variant called Binary JSON (BSON). The benefit of using BSON is that it accommodates more data types. The fields in these documents are similar to the columns in a relational database. Values contained can be a variety of data types, including other documents, arrays and arrays of documents, according to the MongoDB user manual. Documents will also incorporate a [primary key](#) as a unique identifier.



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
mongosh
srividya@Inspiron-5566:~$ wget -qO - https://www.mongodb.org/static/pgp/server-5.0.asc | sudo apt-key add -
[sudo] password for srividya:
OK
srividya@Inspiron-5566:~$ sudo apt-get install gnupg
Reading package lists... Done
Building dependency tree
Reading state information... Done
gnupg is already the newest version (2.2.19-3ubuntu2.1).
gnupg set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
srividya@Inspiron-5566:~$ wget -qO - https://www.mongodb.org/static/pgp/server-5.0.asc | sudo apt-key add -
OK
srividya@Inspiron-5566:~$ echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 multiverse" | sudo tee /etc
/apt/sources.list.d/mongodb-org-5.0.list
deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 multiverse
srividya@Inspiron-5566:~$ sudo apt-get update
0% [Connecting to in.archive.ubuntu.com (2403:8940:3:1::f)] [Waiting for headers] [Connected to repo.mongodb.org (2600:9000:2178:fa00:1e:e933
Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Hit:2 http://in.archive.ubuntu.com/ubuntu focal InRelease
Ign:3 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 Release [4,406 B]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1,009 kB]
Get:7 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 Release.gpg [801 B]
Get:8 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 Packages [9,957 B]
Get:9 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 Packages [10.7 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:11 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [35.7 kB]
Get:12 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [9,096 B]
Get:13 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [668 kB]
Get:14 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [66.1 kB]
Get:15 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [13.0 kB]
Get:16 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,468 B]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,400 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [278 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [14.7 kB]
```

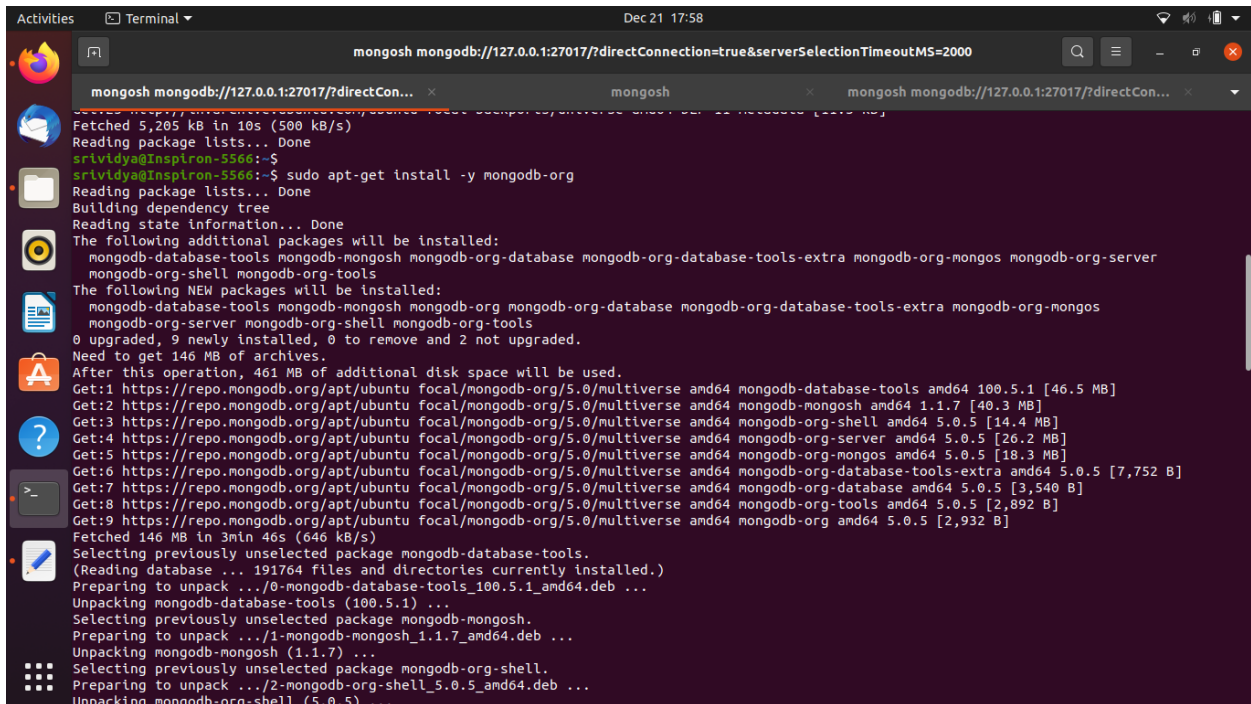
```
srividya@Inspiron-5566:~$ wget -qO https://www.mongodb.org/static/pgp/server-5.0.asc
| sudo apt-key add -
```

```
srividya@Inspiron-5566:~$ sudo apt-get install gnupg
```

```
echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu
```

```
focal/mongodb-org/5.0 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-5.0.list
```

```
sudo apt-get update
```



```

Activities  Terminal  Dec 21 17:58
mongodb mongo.../127.0.0.1:27017?directConnection=true&serverSelectionTimeoutMS=2000
mongodb mongo.../127.0.0.1:27017?directCon...  x  mongodb  x  mongodb mongo.../127.0.0.1:27017?directCon...  x
Fetched 5,205 kB in 10s (500 kB/s)
Reading package lists... Done
srividya@Inspiron-5566:~$ sudo apt-get install -y mongodb-org
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  mongodb-database-tools mongodb-mongosh mongodb-org-database mongodb-org-database-tools-extra mongodb-org-mongos mongodb-org-server
  mongodb-org-shell mongodb-org-tools
The following NEW packages will be installed:
  mongodb-database-tools mongodb-mongosh mongodb-org-database mongodb-org-database-tools-extra mongodb-org-mongos
  mongodb-org-server mongodb-org-shell mongodb-org-tools
0 upgraded, 9 newly installed, 0 to remove and 2 not upgraded.
Need to get 146 MB of archives.
After this operation, 461 MB of additional disk space will be used.
Get:1 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-database-tools amd64 100.5.1 [46.5 MB]
Get:2 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-mongosh amd64 1.1.7 [40.3 MB]
Get:3 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org-shell amd64 5.0.5 [14.4 MB]
Get:4 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org-server amd64 5.0.5 [26.2 MB]
Get:5 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org-mongos amd64 5.0.5 [18.3 MB]
Get:6 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org-database-tools-extra amd64 5.0.5 [7,752 B]
Get:7 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org-database amd64 5.0.5 [3,540 B]
Get:8 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org-tools amd64 5.0.5 [2,892 B]
Get:9 https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0/multiverse amd64 mongodb-org amd64 5.0.5 [2,932 B]
Fetched 146 MB in 3m1n 46s (646 kB/s)
Selecting previously unselected package mongodb-database-tools.
(Reading database ... 191764 files and directories currently installed.)
Preparing to unpack .../0-mongodb-database-tools_100.5.1_amd64.deb ...
Unpacking mongodb-database-tools (100.5.1) ...
Selecting previously unselected package mongodb-mongosh.
Preparing to unpack .../1-mongodb-mongosh_1.1.7_amd64.deb ...
Unpacking mongodb-mongosh (1.1.7) ...
Selecting previously unselected package mongodb-org-shell.
Preparing to unpack .../2-mongodb-org-shell_5.0.5_amd64.deb ...
Unpacking mongodb-org-shell (5.0.5) ...

```

```
srividya@Inspiron-5566:~$ sudo apt-get install -y mongodb-org
```

```
$ echo "mongodb-org hold" | sudo dpkg --set-selections
```

```
srividya@Inspiron-5566:~$ echo "mongodb-org-database hold" | sudo dpkg --set-selections
```

```
srividya@Inspiron-5566:~$ echo "mongodb-org-server hold" | sudo dpkg --set-selections
```

```
srividya@Inspiron-5566:~$ echo "mongodb-org-shell hold" | sudo dpkg --set-selections
```

```
srividya@Inspiron-5566:~$ echo "mongodb-org-mongos hold" | sudo dpkg --set-selections
```

```
srividya@Inspiron-5566:~$ echo "mongodb-org-tools hold" | sudo dpkg --set-selections
```

```
srividya@Inspiron-5566:~$ ps --no-headers -o comm 1
```

You will get below one on terminal:-

systemd

```

Activities  Terminal  Dec 21 17:58
mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
mongodb://127.0.0.1:27017/?directCon...  mongosh  mongodb://127.0.0.1:27017/?directCon...
Processing triggers for man-db (2.9.1-1) ...
srividya@Inspiron-5566:~$ echo "mongodb-org hold" | sudo dpkg --set-selections
[sudo] password for srividya:
Sorry, try again.
[sudo] password for srividya:
srividya@Inspiron-5566:~$ echo "mongodb-org hold" | sudo dpkg --set-selections
srividya@Inspiron-5566:~$ echo "mongodb-org-database hold" | sudo dpkg --set-selections
srividya@Inspiron-5566:~$ echo "mongodb-org-server hold" | sudo dpkg --set-selections
srividya@Inspiron-5566:~$ echo "mongodb-org-shell hold" | sudo dpkg --set-selections
srividya@Inspiron-5566:~$ echo "mongodb-org-mongos hold" | sudo dpkg --set-selections
srividya@Inspiron-5566:~$ echo "mongodb-org-tools hold" | sudo dpkg --set-selections
srividya@Inspiron-5566:~$ ps --no-headers -o comm 1
systemd
srividya@Inspiron-5566:~$ sudo systemctl start mongod
srividya@Inspiron-5566:~$ sudo systemctl status mongod
● mongod.service - MongoDB Database Server
   Loaded: loaded (/lib/systemd/system/mongod.service; disabled; vendor preset: enabled)
   Active: active (running) since Tue 2021-12-21 17:09:43 IST; 27s ago
     Docs: https://docs.mongodb.org/manual
    Main PID: 6341 (mongod)
      Memory: 121.8M
    CGroup: /system.slice/mongod.service
            └─6341 /usr/bin/mongod --config /etc/mongod.conf

Dec 21 17:09:43 Inspiron-5566 systemd[1]: Started MongoDB Database Server.
srividya@Inspiron-5566:~$ sudo systemctl enable mongod
Created symlink /etc/systemd/system/multi-user.target.wants/mongod.service → /lib/systemd/system/mongod.service.
srividya@Inspiron-5566:~$ sudo systemctl restart mongod
srividya@Inspiron-5566:~$ mongosh
Current Mongosh Log ID: 61c1bd798502be9b710c6923
Connecting to:
  mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Using MongoDB:
  5.0.5
Using Mongosh:
  1.1.7

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

```

```
$ sudo systemctl start mongod
```

```
$ sudo systemctl status mongod
```

```
$ sudo systemctl enable mongod
```

```
$ sudo systemctl restart mongod
```

```
$ mongosh
```

```

Activities  Terminal  Dec 21 17:59
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
mongosh mongodb://127.0.0.1:27017/?directCon...  mongosh  mongosh mongodb://127.0.0.1:27017/?directCon...
root@inspiron-5566: ~# systemctl enable mongod
Memory: 121.8M
CGroup: /system.slice/mongod.service
└─6341 /usr/bin/mongod --config /etc/mongod.conf

Dec 21 17:09:43 Inspiron-5566 systemd[1]: Started MongoDB Database Server.
srividya@Inspiron-5566:~$ sudo systemctl enable mongod
Created symlink /etc/systemd/system/multi-user.target.wants/mongod.service → /lib/systemd/system/mongod.service.
srividya@Inspiron-5566:~$ sudo systemctl restart mongod
srividya@Inspiron-5566:~$ mongosh
Current Mongosh Log ID: 61c1bd798502be9b710c6923
Connecting to:  mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Using MongoDB:  5.0.5
Using Mongosh:  1.1.7

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

-----
The server generated these startup warnings when booting:
2021-12-21T17:11:18.321+05:30: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongo
db.org/core/prodnotes-filesystem
2021-12-21T17:11:21.054+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestrict
ed
-----

test> db
test
test> use <database>
switched to db <database>
<database>

```

Creating database:

After writing mongosh on terminal you will get **test>**

test> use <demodb>

I have created my database 'demodb'

switched to db <demodb>

<demodb>> use demodb

switched to db demodb

And if we type **test> db** it will give the current database.

CRUD Operations:

insert:

```
demodb> db.myCollection.insertOne( { x: 1 } );
{
  acknowledged: true,
  insertedId: ObjectId("61c1c1b523f0ad46d925a87c")
}
```

```
demodb> db.getCollection("3 test").find()
```

```
demodb> db.getCollection("3-test").find()
```

```
demodb> db.getCollection("stats").find()
```

insert:

```
demodb> db.movies.insertOne(
{
  title: "The Favourite",
  genres: [ "Drama", "History" ],
  runtime: 121,
  rated: "R",
  year: 2018,
  directors: [ "Yorgos Lanthimos" ],
  cast: [ "Olivia Colman", "Emma Stone", "Rachel Weisz" ],
  type: "movie"
}
)
```

On the terminal you will get like this

```
{
  acknowledged: true,
  insertedId: ObjectId("61c1c29123f0ad46d925a87d")
}
demodb> db.inventory.find( { title: "The Favourite" } )
We will read data by giving ->demodb> db.movies.find( {} )
```

update:

```
db.movies.updateOne(
  {title: "The Favourite"},
  {$set: {hero: "Derik"}},
  {upsert: true}
)
```

```
demodb> db.movies.find( {} )
```

```
[
  {
    _id: ObjectId("61c1c29123f0ad46d925a87d"),
    title: 'The Favourite',
    genres: [ 'Drama', 'History' ],
    runtime: 121,
    rated: 'R',
    year: 2018,
    directors: [ 'Yorgos Lanthimos' ],
    cast: [ 'Olivia Colman', 'Emma Stone', 'Rachel Weisz' ],
```

```
    type: 'movie'
  }
]
```

UPDATE:

```
db.c20160712.updateOne(
  { "Attribute" : "good" },
  { $set: { "Type" : "DVD", "Title" : "Matrix, The", "Released" : 1999,
"Genre" : "Action" } },
  { upsert: true }
);
```

```
db.c20160712.updateOne(
  { "Attribute" : "good" },
  { $set: { "Type" : "Drama" } },
  { upsert: true }
);
```

```
{
  acknowledged: true,
  insertedId: ObjectId("61c2bc2c41fdb920cd086021"),
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
```

Read:

```
demodb> db.c20160712.find( {} )
```

```
[
  {
    _id: ObjectId("61c2bc2c41fdb920cd086021"),
    Attribute: 'good',
    Genre: 'Action',
    Released: 1999,
    Title: 'Matrix, The',
    Type: 'DVD'
  }
]
```

Delete:

```
demodb> db.c20160712.deleteOne( {Type: 'DVD'} )
```

Deleting database:

```
demodb> use sample
```

switched to db sample

```
sample> db.dropDatabase()
```

```
{ ok: 1, dropped: 'sample' }
```

Sort

```
collist = mydb.get_collection("customers3")
mydoc = collist.find().sort("name", -1)
```

Limit


```
db.customers4.find().limit(5)
```

It will print documents upto given limit

result:-[

```
{ _id: 1, name: 'John', address: 'Highway 37' },
{ _id: 2, name: 'Peter', address: 'Lowstreet 27' },
{ _id: 3, name: 'Amy', address: 'Apple st 652' },
{ _id: 4, name: 'Hannah', address: 'Mountain 21' },
{ _id: 5, name: 'Michael', address: 'Valley 345' }
```

]

skip

```
db.customers4.find().limit(5).skip(3)
```

Index

```
mydb.indexpymongo.create_index('salary')
```

O/p:

`_id_`

Salary_1

Aggregate:

```
db.movies.aggregate( [ { $match: { year : 2018 } } ], { comment :
"match_all_movies_from_1995" } ).pretty()
```

[

```
{
  _id: ObjectId("61c4707175e4c02bd15da594"),
  title: 'The Favourite',
  genres: [ 'Drama', 'History' ],
  runtime: 121,
```

```

    rated: 'R',
    year: 2018,
    directors: [ 'Yorgos Lanthimos' ],
    cast: [ 'Olivia Colman', 'Emma Stone', 'Rachel Weisz' ],
    type: 'movie'
  }
]
db.orders.find({})
[
  { _id: 0, productName: 'Steel beam', status: 'new', quantity: 10 },
  { _id: 1, productName: 'Steel beam', status: 'urgent', quantity: 20 },
  { _id: 2, productName: 'Steel beam', status: 'urgent', quantity: 30 },
  { _id: 3, productName: 'Iron rod', status: 'new', quantity: 15 },
  { _id: 4, productName: 'Iron rod', status: 'urgent', quantity: 50 },
  { _id: 5, productName: 'Iron rod', status: 'urgent', quantity: 10 }
]

```

- `db.orders.aggregate([{ $project: { productName: 1, total: { $add: ["$_id", "$quantity"] } } }])`

\$Sum

```

db.orders.aggregate( [
...   { $match: { status: "urgent" } },
...   { $group: { _id: "$productName", sumQuantity: { $sum: "$quantity" } } }
... ] )

```

O/P:

```
[
  { _id: 'Iron rod', sumQuantity: 60 },
  { _id: 'Steel beam', sumQuantity: 50 }
]
```

\$add:

```
db.orders.aggregate([ { $project: { productName: 1, total: { $add: [ "$_id", "$quantity" ] } } }
])
```

\$floor:

```
db.samples.find({})
```

```
db.samples.aggregate([
```

```
...   { $project: { value: 1, floorValue: { $floor: "$value" } } } }
```

```
... ])
```

O/P:

```
[
  { _id: 1, value: 9.25, floorValue: 9 },
  { _id: 2, value: 7.25, floorValue: 7 }
```

Distinct:

```
db.customers4.distinct("name")
```

O/P:[

'Amy', 'Ben',

'Betty', 'Chuck',

'Hannah', 'John',

'Michael', 'Peter',

'Richard', 'Sandy',

'Susan', 'Vicky',

'Viola', 'William'

```
db.management.insertOne({ _id: 2, empNumber: "xyz987", feedback: { management: 2,
environment: 3 }, department: "B" })
```

```
db.management.find({})
```

```
db.createView( "management1", "survey", [{ $project: { "management":
"$feedback.management", department: 1 } }])
```

]

```

srividya@Inspiron-5566: ~
srividya@Inspiron-5566: ~ mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectio...
2021-12-24T18:13:21.155+0530 restoring sample.sample from dump/sample/sample.bson
2021-12-24T18:13:21.167+0530 finished restoring sample.sample (0 documents, 0 failures)
2021-12-24T18:13:21.167+0530 restoring indexes for collection sample.mycol from metadata
2021-12-24T18:13:21.168+0530 index: &idx.IndexDocument{Options:primitive.M{"name":"title_1_description_1", "v":2}, Key:primitive.D{primiti
ve.E{Key:"title", Value:1}, primitive.E{Key:"description", Value:1}}, PartialFilterExpression:primitive.D(nil)}
2021-12-24T18:13:21.168+0530 restoring indexes for collection sample.sample from metadata
2021-12-24T18:13:21.168+0530 index: &idx.IndexDocument{Options:primitive.M{"name":"KEY_1", "v":2}, Key:primitive.D{primitive.E{Key:"KEY", V
alue:1}}, PartialFilterExpression:primitive.D(nil)}
2021-12-24T18:13:21.521+0530 0 document(s) restored successfully. 0 document(s) failed to restore.
srividya@Inspiron-5566:~$ mongorestore --db sample
2021-12-24T18:13:30.466+0530 The --db and --collection flags are deprecated for this use-case; please use --nsInclude instead, i.e. with --
nsInclude=${DATABASE}.${COLLECTION}
2021-12-24T18:13:30.466+0530 building a list of collections to restore from dump/sample dir
2021-12-24T18:13:30.466+0530 don't know what to do with subdirectory "dump/demodb", skipping...
2021-12-24T18:13:30.466+0530 don't know what to do with subdirectory "dump/sample", skipping...
2021-12-24T18:13:30.467+0530 0 document(s) restored successfully. 0 document(s) failed to restore.
srividya@Inspiron-5566:~$ mongorestore --db sample dump/sample
2021-12-24T18:13:58.011+0530 The --db and --collection flags are deprecated for this use-case; please use --nsInclude instead, i.e. with --
nsInclude=${DATABASE}.${COLLECTION}
2021-12-24T18:13:58.011+0530 building a list of collections to restore from dump/sample dir
2021-12-24T18:13:58.011+0530 reading metadata for sample.mycol from dump/sample/mycol.metadata.json
2021-12-24T18:13:58.011+0530 reading metadata for sample.sample from dump/sample/sample.metadata.json
2021-12-24T18:13:58.012+0530 restoring to existing collection sample.sample without dropping
2021-12-24T18:13:58.012+0530 restoring to existing collection sample.mycol without dropping
2021-12-24T18:13:58.012+0530 restoring sample.sample from dump/sample/sample.bson
2021-12-24T18:13:58.012+0530 restoring sample.mycol from dump/sample/mycol.bson
2021-12-24T18:13:58.024+0530 finished restoring sample.sample (0 documents, 0 failures)
2021-12-24T18:13:58.024+0530 finished restoring sample.mycol (0 documents, 0 failures)
2021-12-24T18:13:58.024+0530 restoring indexes for collection sample.mycol from metadata
2021-12-24T18:13:58.025+0530 index: &idx.IndexDocument{Options:primitive.M{"name":"title_1_description_1", "v":2}, Key:primitive.D{primiti
ve.E{Key:"title", Value:1}, primitive.E{Key:"description", Value:1}}, PartialFilterExpression:primitive.D(nil)}
2021-12-24T18:13:58.025+0530 restoring indexes for collection sample.sample from metadata
2021-12-24T18:13:58.025+0530 index: &idx.IndexDocument{Options:primitive.M{"name":"KEY_1", "v":2}, Key:primitive.D{primitive.E{Key:"KEY", V
alue:1}}, PartialFilterExpression:primitive.D(nil)}
2021-12-24T18:13:58.037+0530 0 document(s) restored successfully. 0 document(s) failed to restore.

```

```

Activities Terminal Dec 24 18:21
srividya@Inspiron-5566: ~
srividya@Inspiron-5566: ~ mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectio...

2021-12-24T18:02:42.389+0530 writing demodb.orders to dump/demodb/orders.bson
2021-12-24T18:02:42.390+0530 done dumping demodb.orders (6 documents)
2021-12-24T18:02:42.391+0530 writing demodb.name to dump/demodb/name.bson
2021-12-24T18:02:42.391+0530 writing demodb.indexpymongo to dump/demodb/indexpymongo.bson
2021-12-24T18:02:42.392+0530 done dumping demodb.name (6 documents)
2021-12-24T18:02:42.393+0530 writing demodb.samples to dump/demodb/samples.bson
2021-12-24T18:02:42.395+0530 done dumping demodb.samples (2 documents)
2021-12-24T18:02:42.395+0530 writing demodb.management to dump/demodb/management.bson
2021-12-24T18:02:42.396+0530 done dumping demodb.management (2 documents)
2021-12-24T18:02:42.396+0530 writing demodb.mydict to dump/demodb/mydict.bson
2021-12-24T18:02:42.397+0530 done dumping demodb.mydict (2 documents)
2021-12-24T18:02:42.397+0530 writing demodb.myCollection to dump/demodb/myCollection.bson
2021-12-24T18:02:42.397+0530 done dumping demodb.myCollection (1 document)
2021-12-24T18:02:42.398+0530 writing demodb.movies to dump/demodb/movies.bson
2021-12-24T18:02:42.398+0530 done dumping demodb.movies (1 document)
2021-12-24T18:02:42.399+0530 writing demodb.c20160712 to dump/demodb/c20160712.bson
2021-12-24T18:02:42.399+0530 done dumping demodb.c20160712 (1 document)
2021-12-24T18:02:42.400+0530 writing demodb.mycol to dump/demodb/mycol.bson
2021-12-24T18:02:42.400+0530 done dumping demodb.mycol (0 documents)
2021-12-24T18:02:42.400+0530 done dumping demodb.indexpymongo (23000 documents)
2021-12-24T18:02:42.511+0530 writing demodb.customers4 to dump/demodb/customers4.bson
2021-12-24T18:02:42.513+0530 done dumping demodb.customers4 (14 documents)
srividya@Inspiron-5566:~$ mongodump --db demodb --db sample
2021-12-24T18:06:06.170+0530 writing sample.sample to dump/sample/sample.bson
2021-12-24T18:06:06.171+0530 done dumping sample.sample (0 documents)
2021-12-24T18:06:06.466+0530 writing sample.mycol to dump/sample/mycol.bson
2021-12-24T18:06:06.467+0530 done dumping sample.mycol (0 documents)
srividya@Inspiron-5566:~$ mongodump --db demodb mongorestore --db sample
2021-12-24T18:12:53.409+0530 error parsing command line options: error parsing positional arguments: provide only one MongoDB connection st
ring. Connection strings must begin with mongodb:// or mongodbsrv:// schemes
2021-12-24T18:12:53.409+0530 try 'mongodump --help' for more information
srividya@Inspiron-5566:~$ mongodump --db demodb mongorestore --db sample dump/sample
2021-12-24T18:13:05.835+0530 error parsing command line options: error parsing positional arguments: provide only one MongoDB connection st
ring. Connection strings must begin with mongodb:// or mongodbsrv:// schemes
2021-12-24T18:13:05.835+0530 try 'mongodump --help' for more information

```

```

Activities Terminal Dec 24 18:21
srividya@Inspiron-5566: ~
srividya@Inspiron-5566: ~ mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectio...

bash: cd: order.json: Not a directory
srividya@Inspiron-5566:~$ show collections
Command 'show' not found, but can be installed with:
sudo apt install mailutils-mh # version 1:3.7-2.1, or
sudo apt install mmh # version 0.4-2
sudo apt install nmh # version 1.7.1-6
srividya@Inspiron-5566:~$ ls *.json
order.json
srividya@Inspiron-5566:~$ cd order.json
bash: cd: order.json: Not a directory
srividya@Inspiron-5566:~$ read order.json
bash: read: 'order.json': not a valid identifier
srividya@Inspiron-5566:~$ ls order.json
order.json
srividya@Inspiron-5566:~$ ls -a order.json
order.json
srividya@Inspiron-5566:~$ mongoexport -d demodb -c orders -o order.csv
2021-12-24T15:55:52.749+0530 connected to: mongodb://localhost/
2021-12-24T15:55:52.754+0530 exported 6 records
srividya@Inspiron-5566:~$ ls -a order.csv
order.csv
srividya@Inspiron-5566:~$ mongoexport -d demodb -c orders --csv -o order1.csv -f status.urgent
2021-12-24T16:00:05.524+0530 csv flag is deprecated; please use --type=csv instead
2021-12-24T16:00:05.533+0530 connected to: mongodb://localhost/
2021-12-24T16:00:05.654+0530 exported 6 records
srividya@Inspiron-5566:~$ ls -a order1.csv
order1.csv
srividya@Inspiron-5566:~$ mongoexport -d demodb -c pymongoindex -o sample.csv
2021-12-24T16:05:28.500+0530 connected to: mongodb://localhost/
2021-12-24T16:05:28.504+0530 exported 0 records
srividya@Inspiron-5566:~$ mongoexport -d demodb -c indexpymongo -o sample.csv
2021-12-24T16:06:28.261+0530 connected to: mongodb://localhost/
2021-12-24T16:06:28.732+0530 exported 23000 records

```

