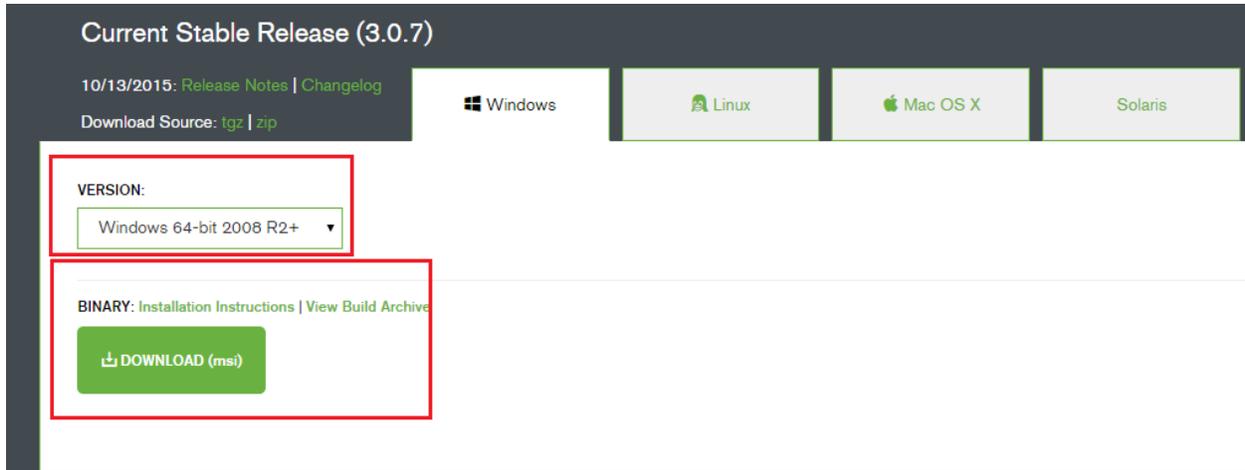


Mongo DB installation document for Windows OS:

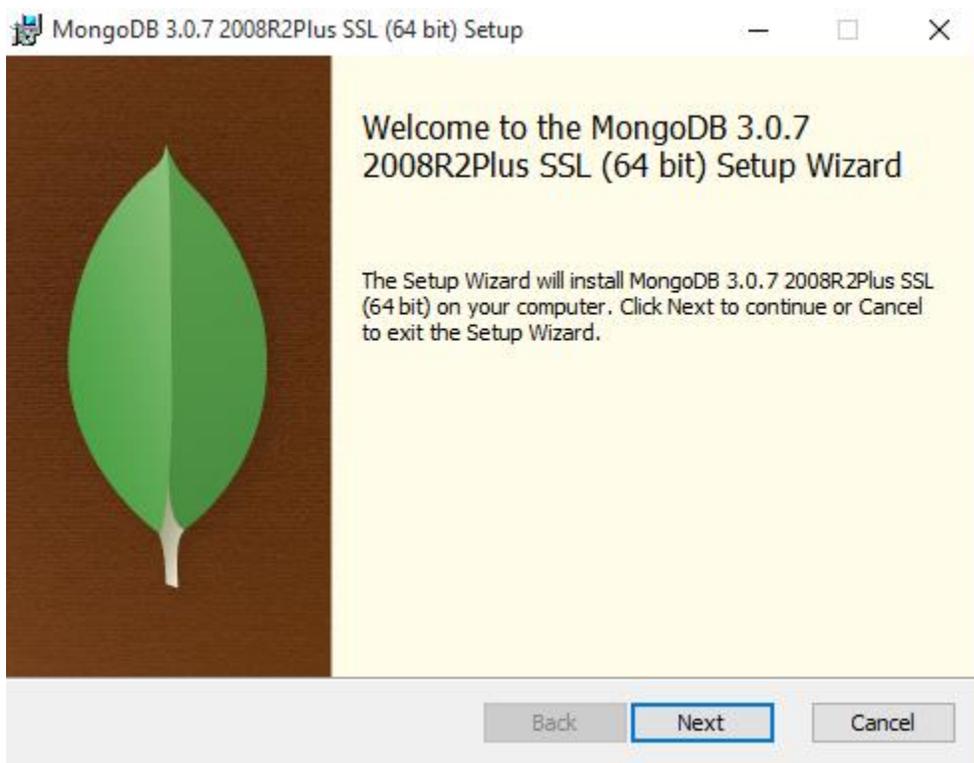
Below installation is done on Windows 10:

1. Download msi file from below link:

<https://www.mongodb.org/downloads#production>



2. Run the msi file

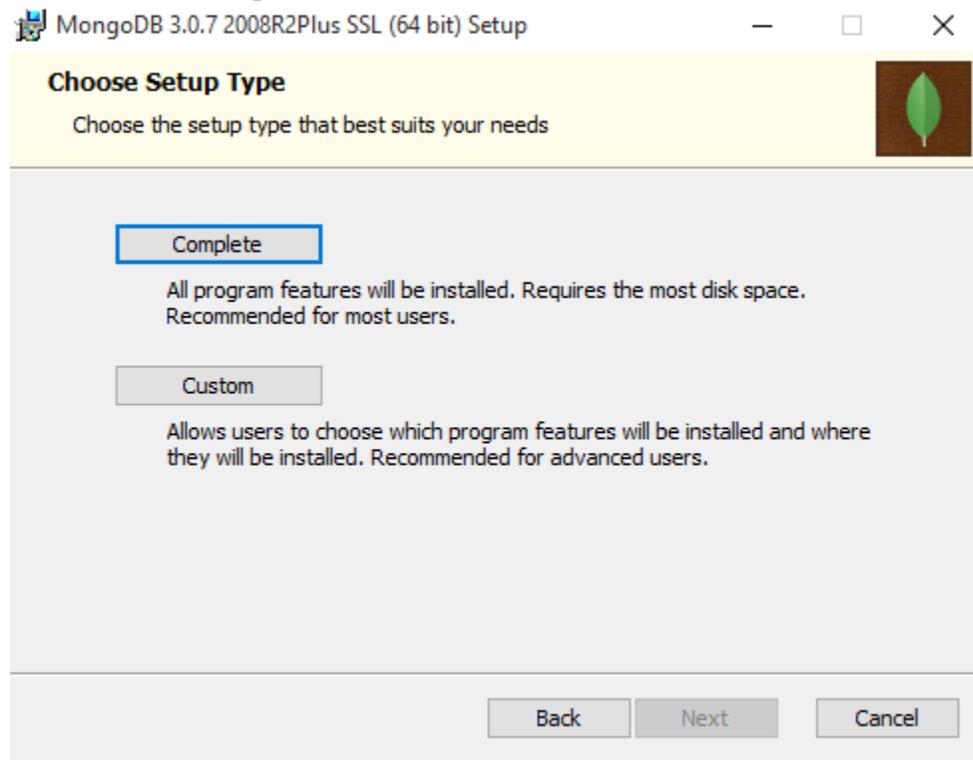


Click Next

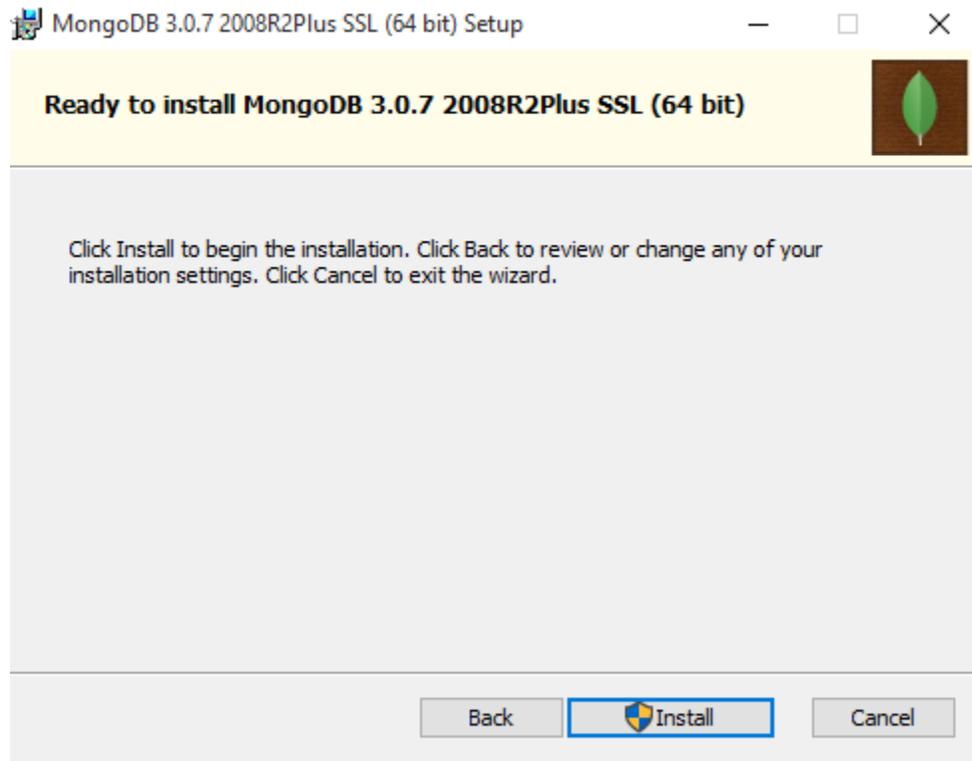
3. Accept the terms in the License Agreement and select Next



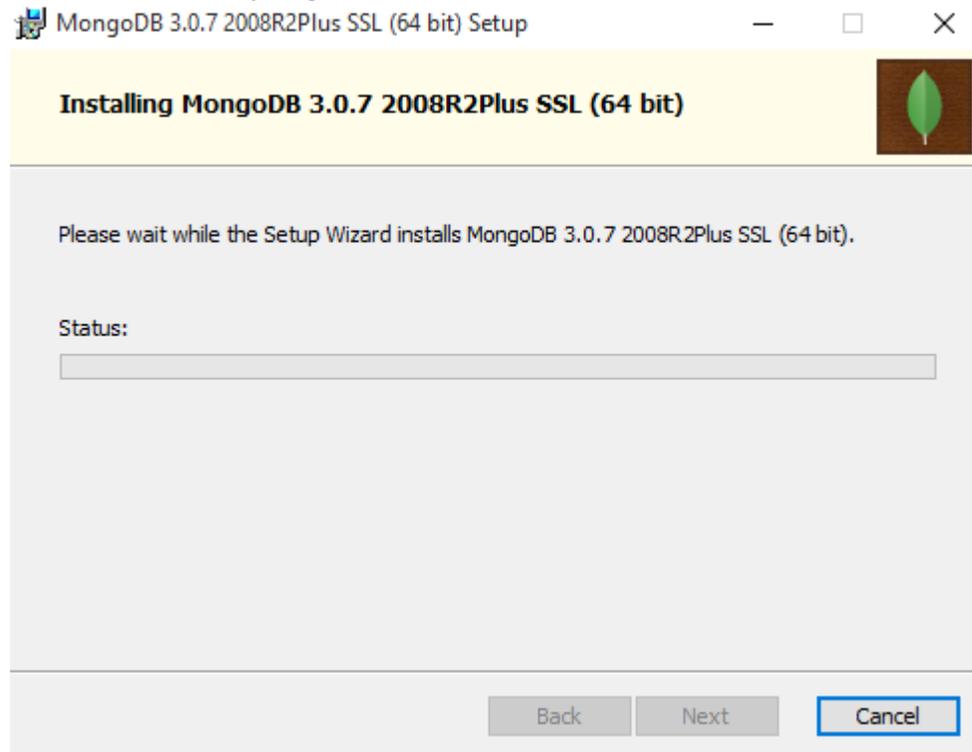
#### 4. Select Complete

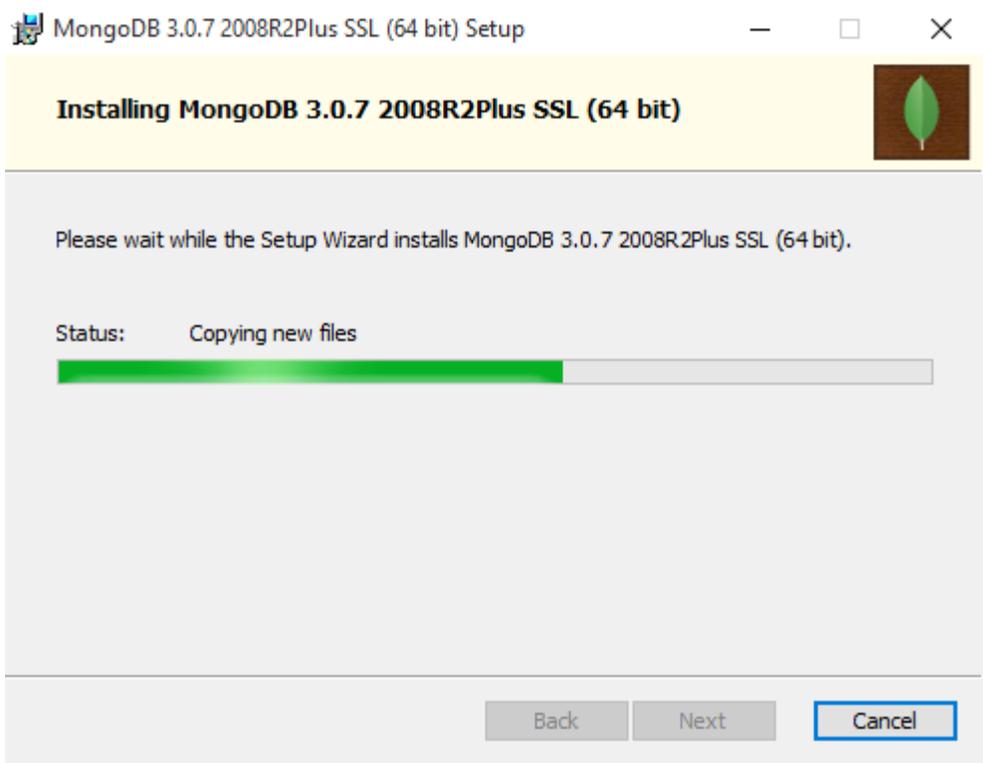


#### 5. Select Install

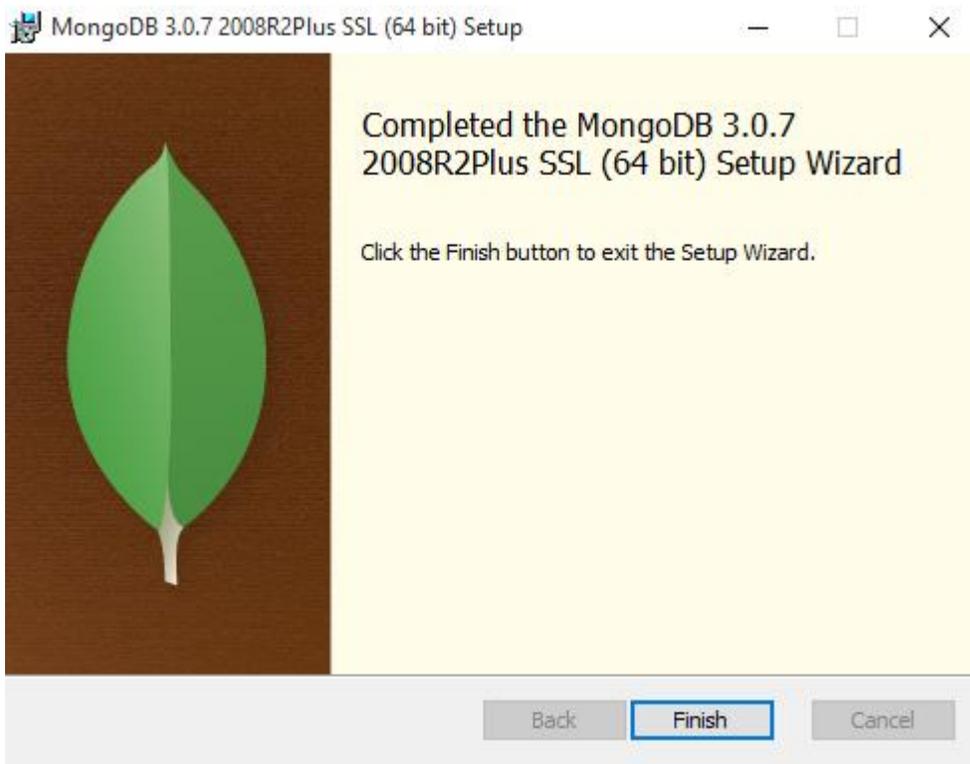


6. Wait until you get the finish screen

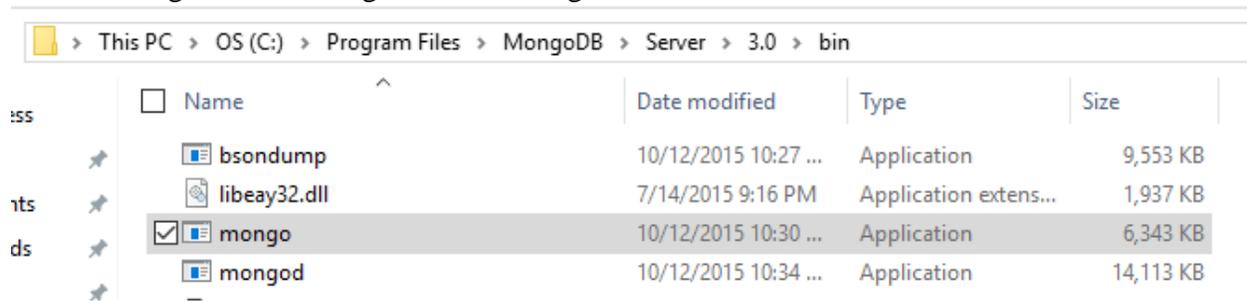




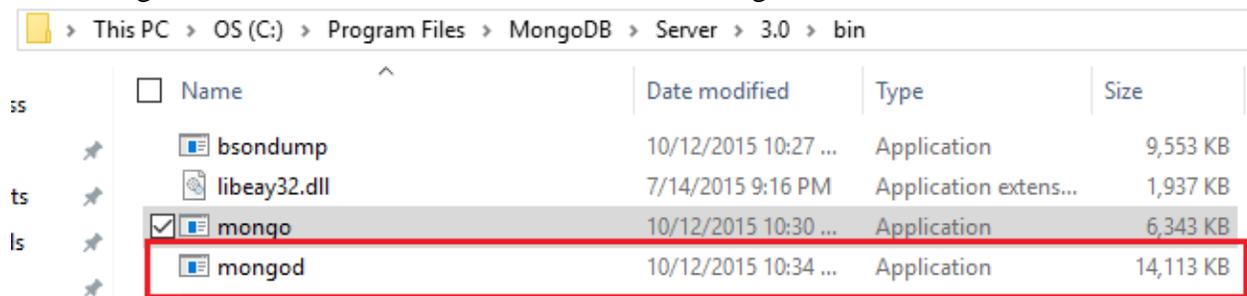
#### 7. Click Finish



8. Create folders in C drive: data>db
9. Add below path in the environment variable
10. Navigate to C:> ProgramFiles>MongoDB>Server>3.0>bin



11. Right click and run as administrator: Start the mongo db server



Once you start the server you will see a command prompt saying (1 connection now open)

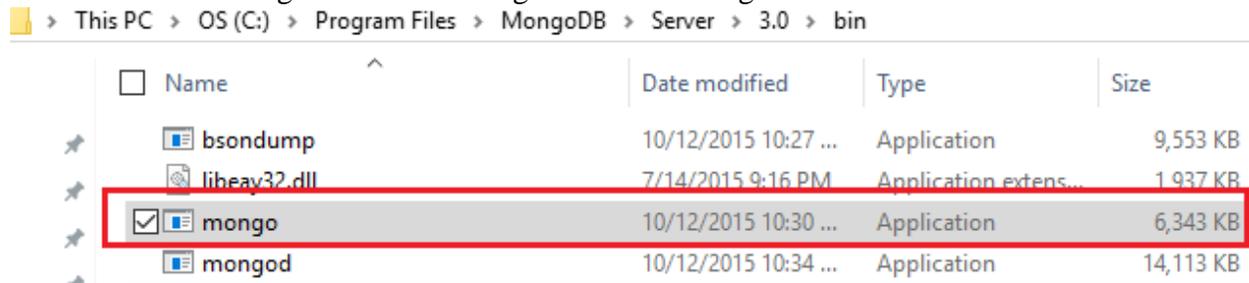
The screenshot shows a Windows command prompt window titled 'C:\Program Files\MongoDB\Server\3.0\bin\mongod.exe'. The output text is as follows:

```

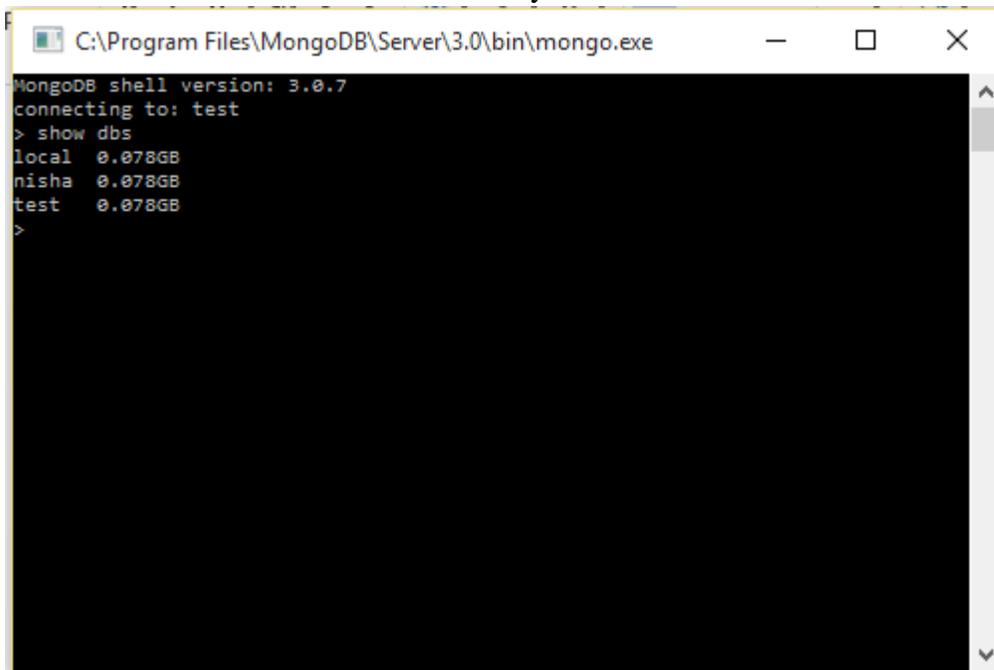
2015-11-05T15:52:54.874-0500 I JOURNAL [initandlisten] recover skipping applica
tion of section seq:0 < lsn:526886
2015-11-05T15:52:55.051-0500 I JOURNAL [initandlisten] recover cleaning up
2015-11-05T15:52:55.052-0500 I JOURNAL [initandlisten] removeJournalFiles
2015-11-05T15:52:55.055-0500 I JOURNAL [initandlisten] recover done
2015-11-05T15:52:55.129-0500 I JOURNAL [durability] Durability thread started
2015-11-05T15:52:55.131-0500 I JOURNAL [journal writer] Journal writer thread s
tarted
2015-11-05T15:52:55.380-0500 I CONTROL [initandlisten] MongoDB starting : pid=1
1536 port=27017 dbpath=C:\data\db\ 64-bit host=Nisha
2015-11-05T15:52:55.381-0500 I CONTROL [initandlisten] targetMinOS: Windows 7/W
indows Server 2008 R2
2015-11-05T15:52:55.381-0500 I CONTROL [initandlisten] db version v3.0.7
2015-11-05T15:52:55.381-0500 I CONTROL [initandlisten] git version: 6ce7cbe8c6b
899552dadd907604559806aa2e9bd
2015-11-05T15:52:55.382-0500 I CONTROL [initandlisten] build info: windows sys.
getwindowsversion(major=6, minor=1, build=7601, platform=2, service_pack='Servic
e Pack 1') BOOST_LIB_VERSION=1_49
2015-11-05T15:52:55.383-0500 I CONTROL [initandlisten] allocator: tcmalloc
2015-11-05T15:52:55.384-0500 I CONTROL [initandlisten] options: {}
2015-11-05T15:52:56.295-0500 I NETWORK [initandlisten] waiting for connections
on port 27017
2015-11-05T15:53:16.719-0500 I NETWORK [initandlisten] connection accepted from
127.0.0.1:17302 #1 (1 connection now open)

```

12. Start the mongo db database: Right Click on Mongo and run it as administration



Once your database is started , it will be connected to the test database by default  
Use command: show dbs → it will show you all dbs



MongoDB stores data in the form of Documents, which are JSON-like field –value pairs.  
Mongo DB Documents are called BSON documents: (Binary representation of JSON) with additional type information.

```
{
  name: "sue",           ← field: value
  age: 26,              ← field: value
  status: "A",         ← field: value
  groups: [ "news", "sports" ] ← field: value
}
```

MongoDB stores all documents in **collections**. A collection is a group of related documents that have a set of shared common indexes. Collections are analogous to a table in relational databases.



Use dbname → created database e.g. use nisha1

```
C:\Program Files\MongoDB\Server\3.0\bin>mongo.exe
MongoDB shell version: 3.0.7
connecting to: test
> show dbs
local  0.078GB
nisha  0.078GB
test   0.078GB
> use nisha1
switched to db nisha1
>
```

Good resource for learning Mongo DB:

[http://www.tutorialspoint.com/mongodb/mongodb\\_create\\_collection.htm](http://www.tutorialspoint.com/mongodb/mongodb_create_collection.htm)

Some basic commands to try:

```
C:\Program Files\MongoDB\Server\3.0\bin\mongo.exe
MongoDB shell version: 3.0.7
connecting to: test
> show dbs
local  0.078GB
nisha  0.078GB
test   0.078GB
> use nisha1
switched to db nisha1
> show dbs
local  0.078GB
nisha  0.078GB
test   0.078GB
> db
nisha1
> db.class.insert({"name":"Database_Design"})
WriteResult({ "nInserted" : 1 })
> show dbs
local  0.078GB
nisha  0.078GB
nisha1 0.078GB
test   0.078GB
> ■
```

← Default Connection to test db

← Shows all database

← Creates Database

← New database Nisha1 is not shown as there are no documets in it.

← Shows current working database

← After adding a documet , we can see the new database in the show dbs list

References:

<https://docs.mongodb.org/manual/>