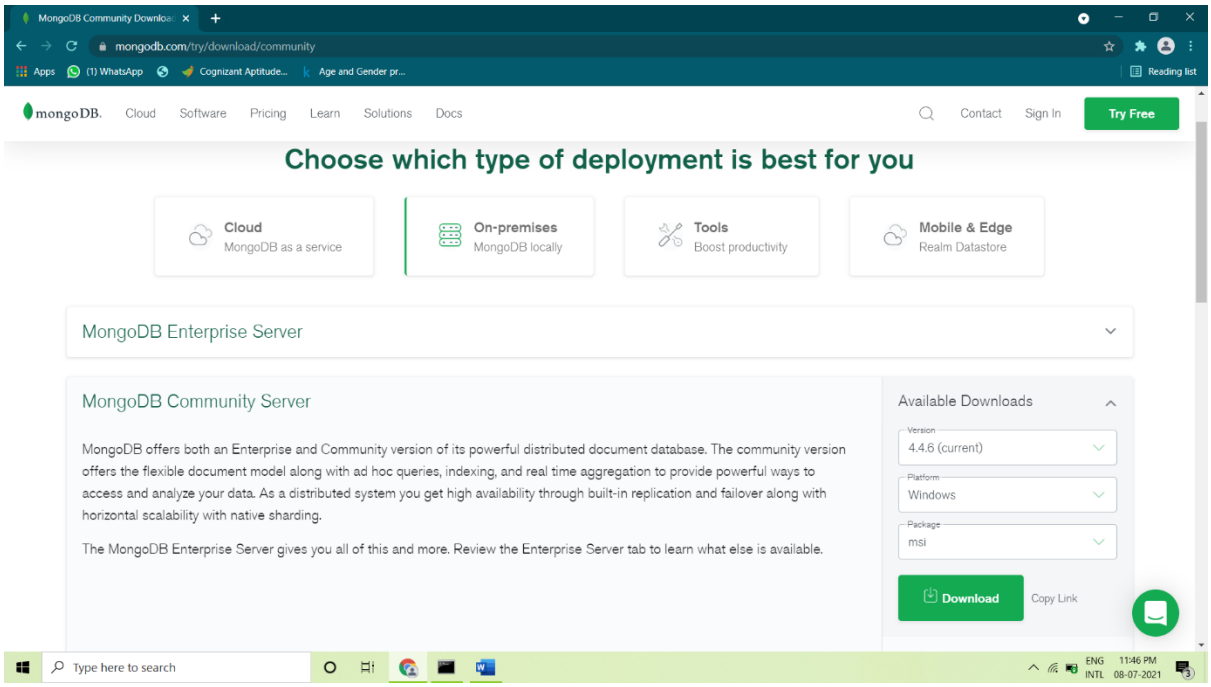
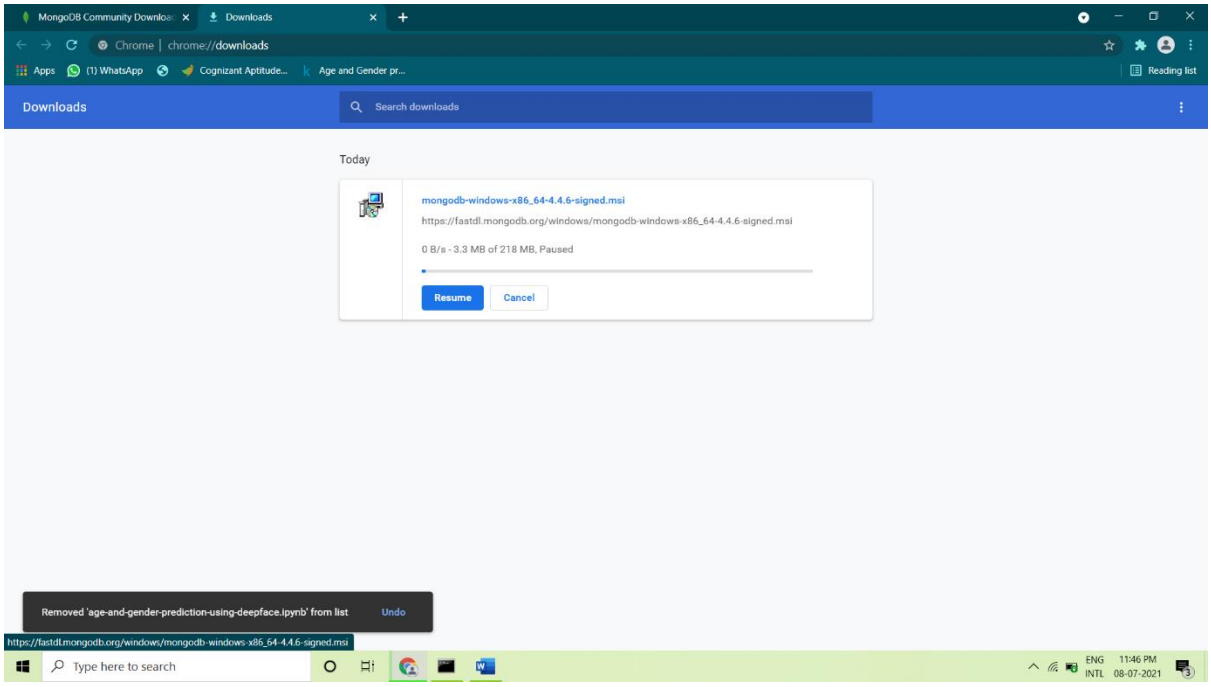
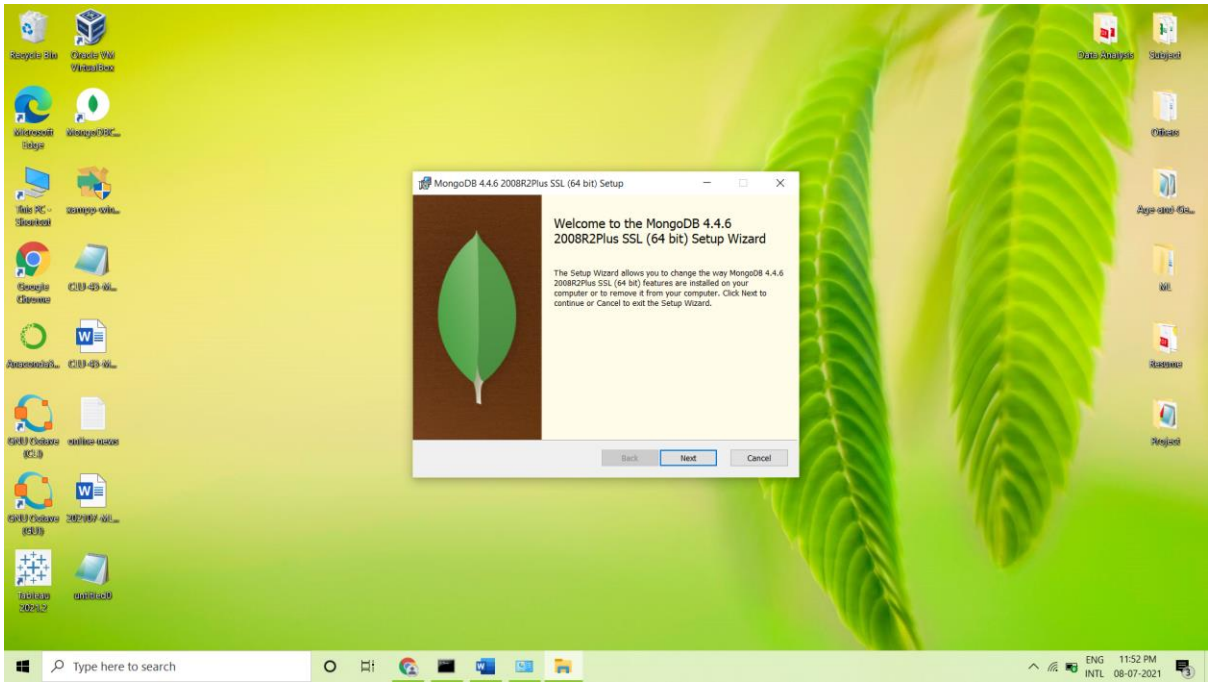
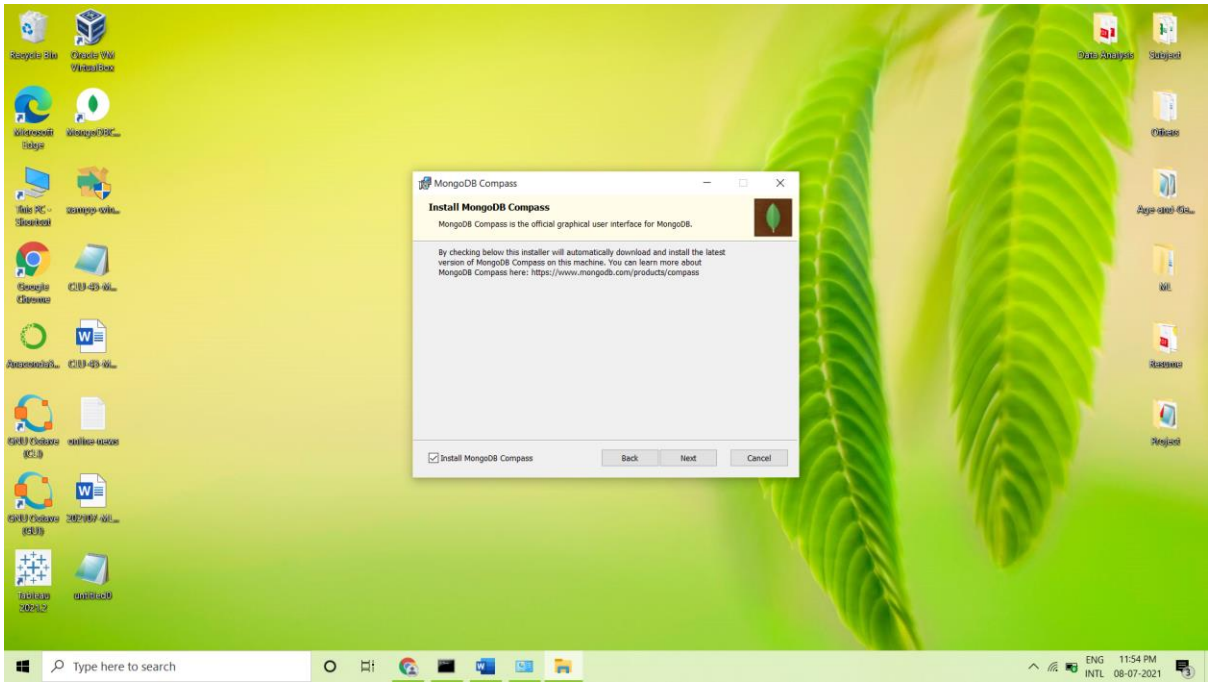
Experiment : 05

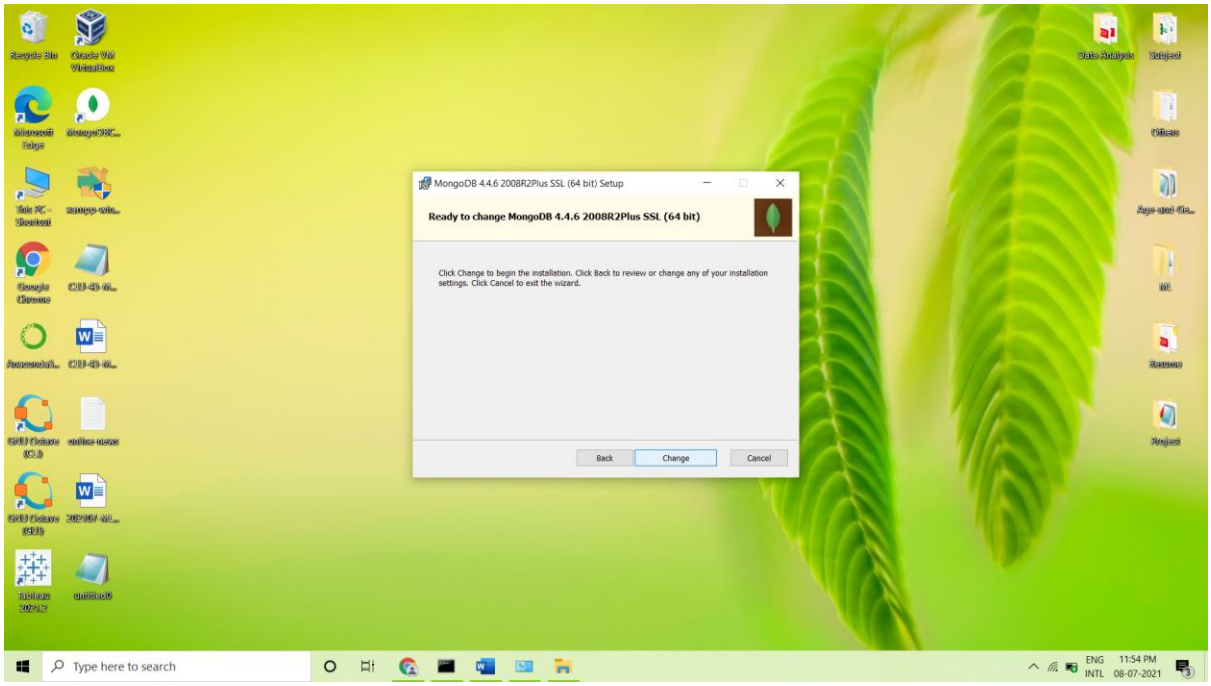
Installing MongoDB & performing CRUD operaton for unstructured data

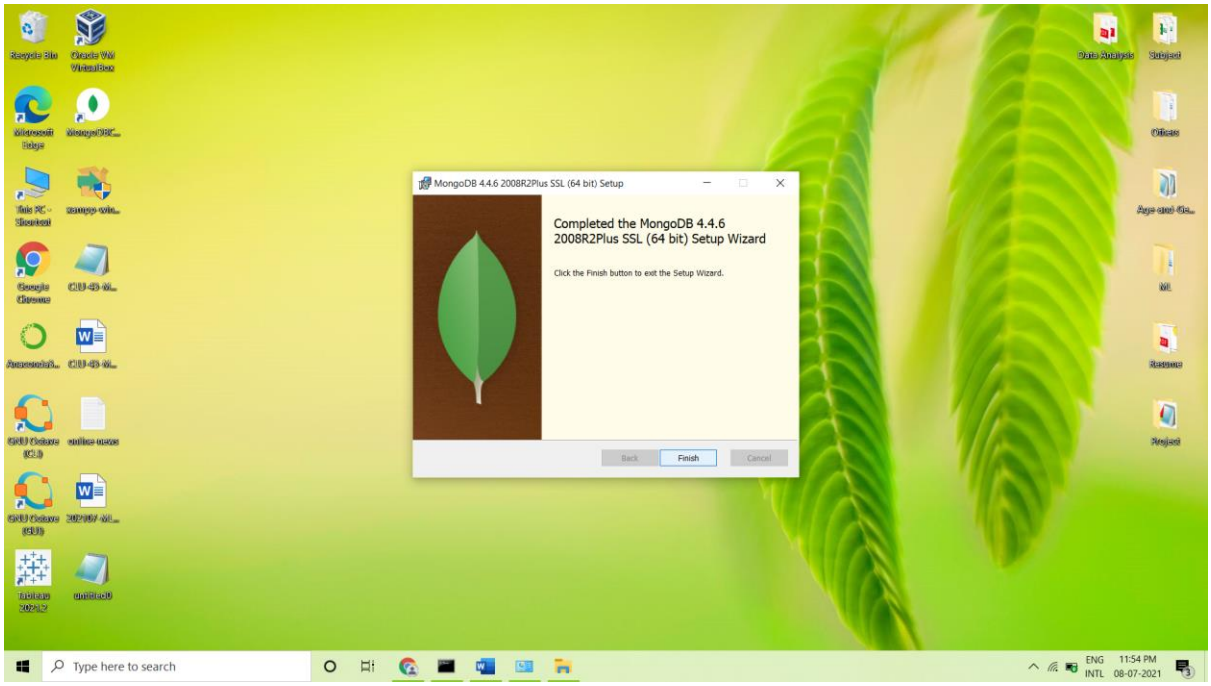


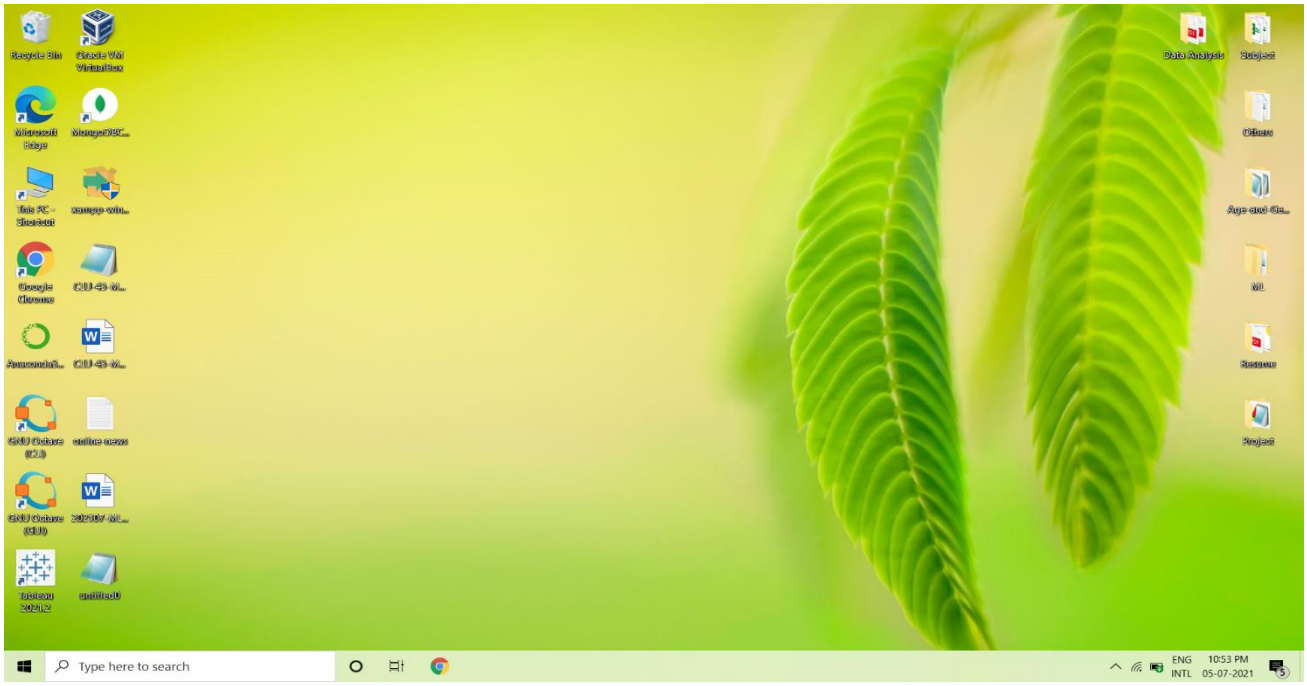


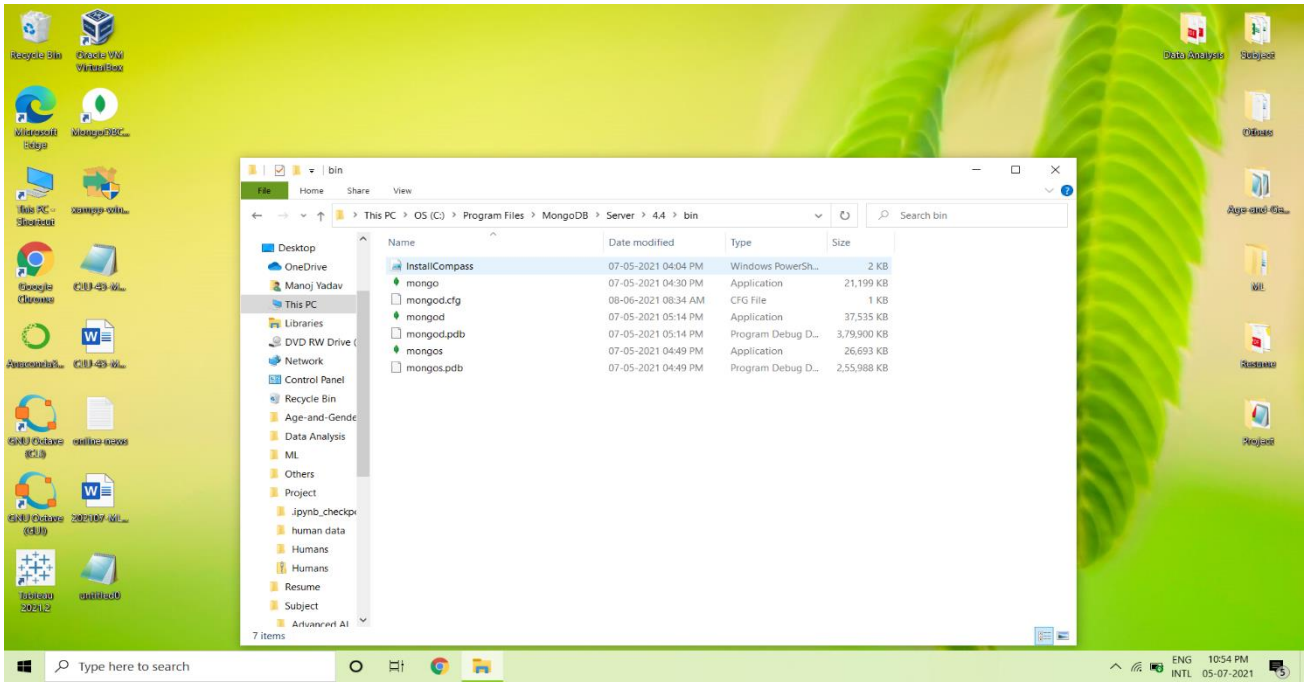

MongoDB 4.4.6 2008R2Plus SSL (64 bit) Setup
Welcome to the MongoDB 4.4.6 2008R2Plus SSL (64 bit) Setup Wizard
The Setup Wizard allows you to change the way MongoDB 4.4.6 2008R2Plus SSL (64 bit) features are installed on your computer or to remove it from your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Back
Next
Cancel
Type here to search
ENG
INTL
11:52 PM
08-07-2021

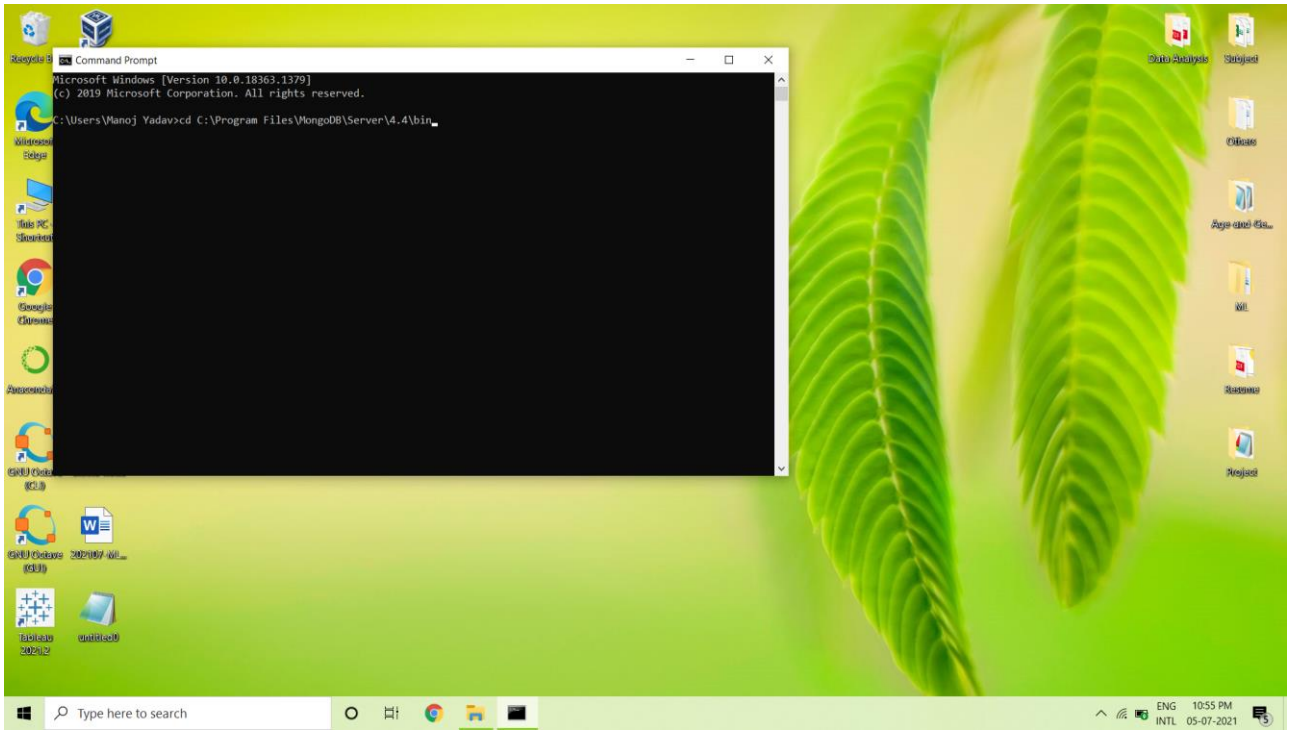

MongoDB Compass
Install MongoDB Compass
MongoDB Compass is the official graphical user interface for MongoDB.
By checking below this installer will automatically download and install the latest version of MongoDB Compass on this machine. You can learn more about MongoDB Compass here: https://www.mongodb.com/products/compass
Install MongoDB Compass
Back
Next
Cancel
Type here to search
ENG
INTL
11:54 PM
08-07-2021

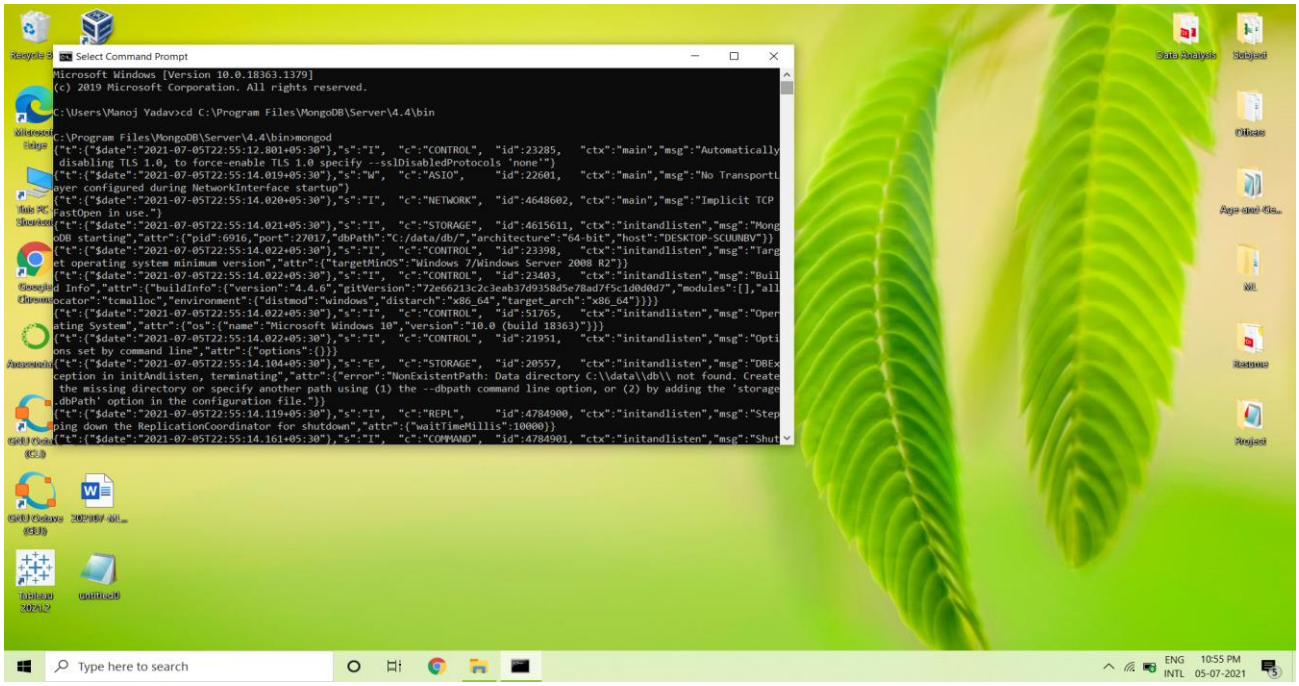

MongoDB 4.4.6 2008R2Plus SSL (64 bit) Setup
Ready to change MongoDB 4.4.6 2008R2Plus SSL (64 bit)
Click Change to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
Back
Change
Cancel
Type here to search
ENG
INTL
11:54 PM
08-07-2021

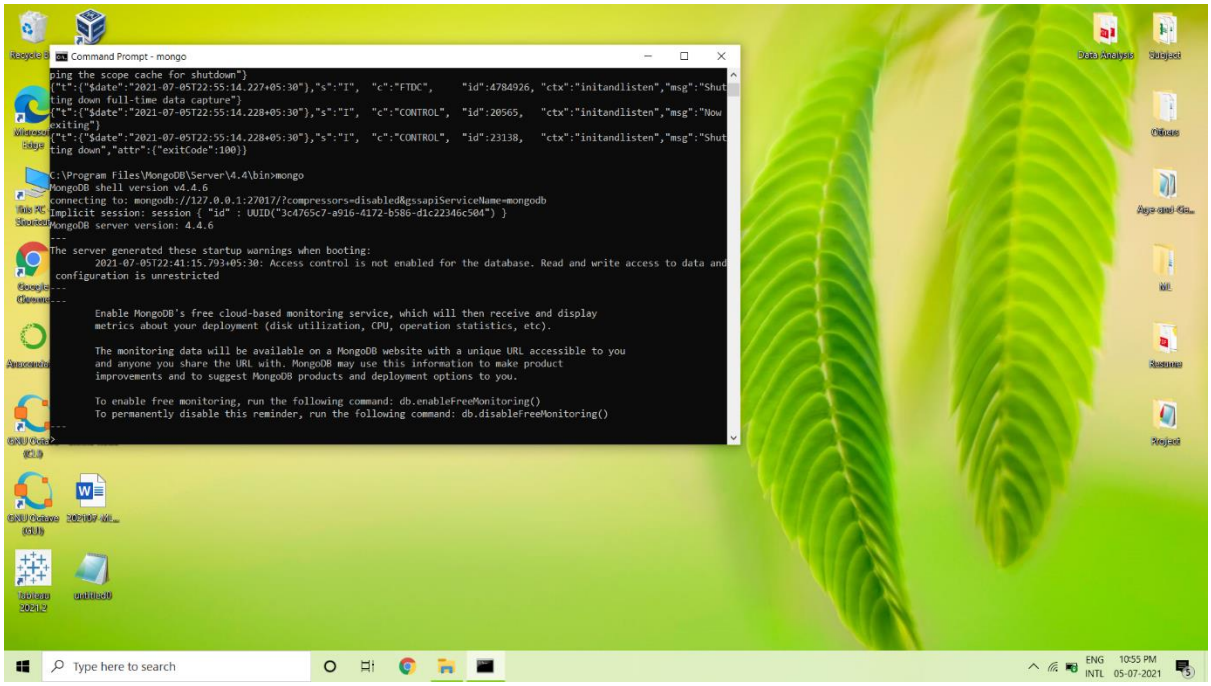

MongoDB 4.4.6 2008R2Plus SSL (64 bit) Setup
Completed the MongoDB 4.4.6 2008R2Plus SSL (64 bit) Setup Wizard
Click the Finish button to exit the Setup Wizard.
Back
Finish
Cancel
Type here to search
ENG
INTL
11:54 PM
08-07-2021


Recycle Bin
Oracle VM VirtualBox
Microsoft Edge
This PC - Shortcut
Google Chrome
Anaconda3...
GNU Octave (CLI)
GNU Octave (GUI)
Octave 2021.2
online news
untitled0
Data Analysis
Subject
Others
Age-and-Ge...
ML
Resume
Project
Type here to search
ENG
INTL
10:53 PM
05-07-2021


bin
File
Home
Share
View
This PC › OS (C:) › Program Files › MongoDB › Server › 4.4 › bin
Search bin
Desktop
OneDrive
Manoj Yadav
This PC
Libraries
DVD RW Drive (
Network
Control Panel
Recycle Bin
Age-and-Gende
Data Analysis
ML
Others
Project
.ipynb_checkpo
human data
Humans
Humans
Resume
Subject
Advanced AI
7 items
Name
Date modified
Type
Size
InstallCompass 07-05-2021 04:04 PM Windows PowerSh... 2 KB
mongo 07-05-2021 04:30 PM Application 21,199 KB
mongod.cfg 08-06-2021 08:34 AM CFG File 1 KB
mongod 07-05-2021 05:14 PM Application 37,535 KB
mongod.pdb 07-05-2021 05:14 PM Program Debug D... 3,79,900 KB
mongos 07-05-2021 04:49 PM Application 26,693 KB
mongos.pdb 07-05-2021 04:49 PM Program Debug D... 2,55,988 KB
Type here to search
ENG
INTL
10:54 PM
05-07-2021


Command Prompt
Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Manoj Yadav>cd C:\Program Files\MongoDB\Server\4.4\bin
Type here to search
ENG
INTL
10:55 PM
05-07-2021

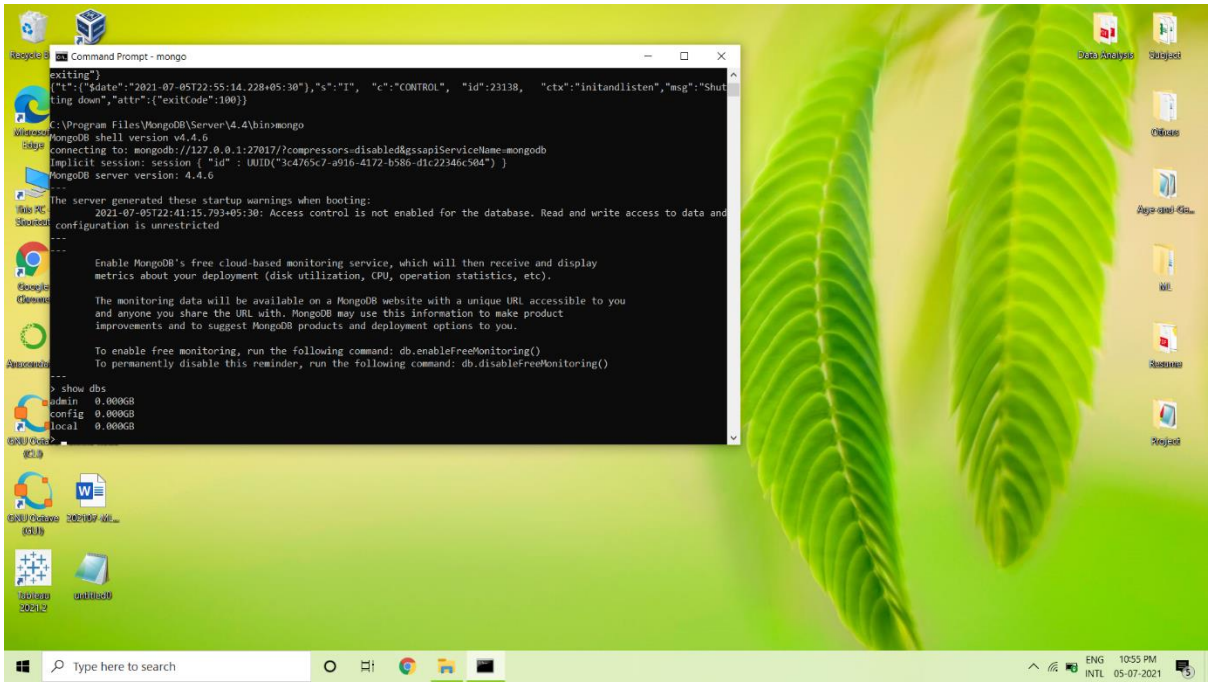

Select Command Prompt
Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Manoj Yadav>cd C:\Program Files\MongoDB\Server\4.4\bin
C:\Program Files\MongoDB\Server\4.4\bin>mongod
Type here to search
ENG
INTL
10:55 PM
05-07-2021


Command Prompt - mongo
ping the scope cache for shutdown"}
{"t":{"$date":"2021-07-05T22:55:14.227+05:30"},"s":"I", "c":"FTDC", "id":4784926, "ctx":"initandlisten","msg":"Shut
ting down full-time data capture"}
{"t":{"$date":"2021-07-05T22:55:14.228+05:30"},"s":"I", "c":"CONTROL", "id":20565, "ctx":"initandlisten","msg":"Now
exiting"}
{"t":{"$date":"2021-07-05T22:55:14.228+05:30"},"s":"I", "c":"CONTROL", "id":23138, "ctx":"initandlisten","msg":"Shut
ting down","attr":{"exitCode":100}}
C:\Program Files\MongoDB\Server\4.4\bin>mongo
MongoDB shell version v4.4.6
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("3c4765c7-a916-4172-b586-d1c22346c504") }
MongoDB server version: 4.4.6

The server generated these startup warnings when booting:
2021-07-05T22:41:15.793+05:30: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted

Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).
The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.
To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

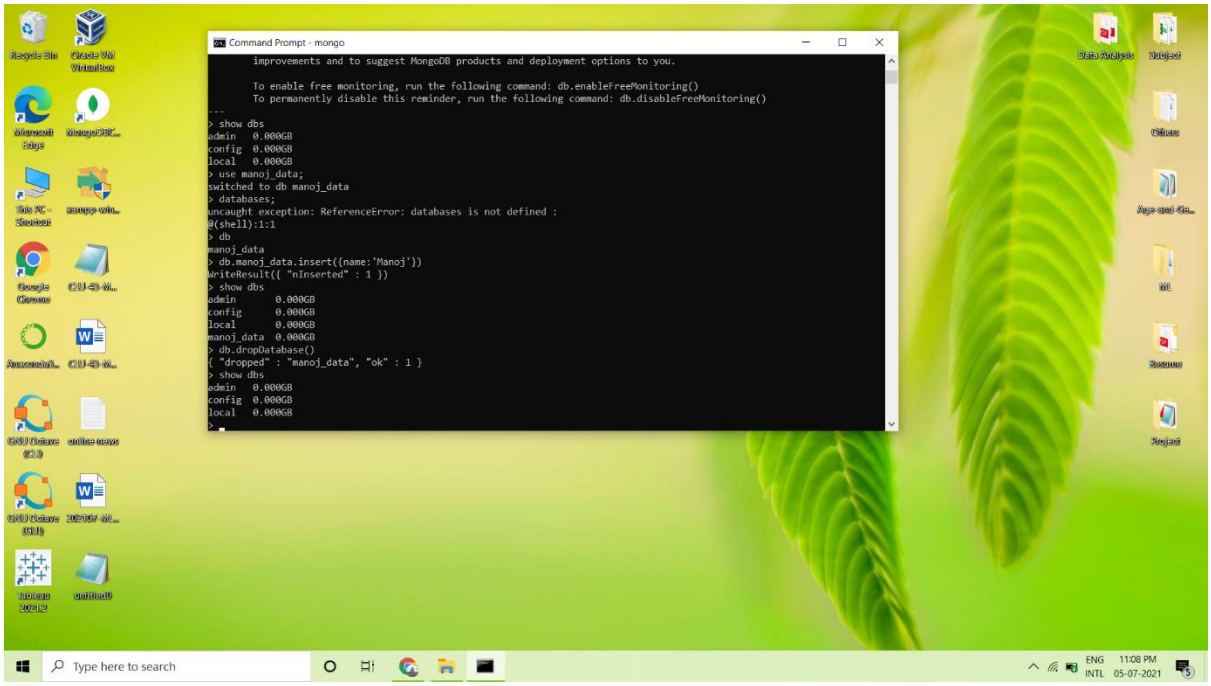
Type here to search
ENG
INTL
10:55 PM
05-07-2021


Command Prompt - mongo
exiting"}
{"t":{"$date":"2021-07-05T22:55:14.228+05:30"},"s":"I", "c":"CONTROL", "id":23138, "ctx":"initandlisten","msg":"Shut
ting down","attr":{"exitCode":100}}
C:\Program Files\MongoDB\Server\4.4\bin>mongo
MongoDB shell version v4.4.6
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("3c4765c7-a916-4172-b586-d1c22346c504") }
MongoDB server version: 4.4.6

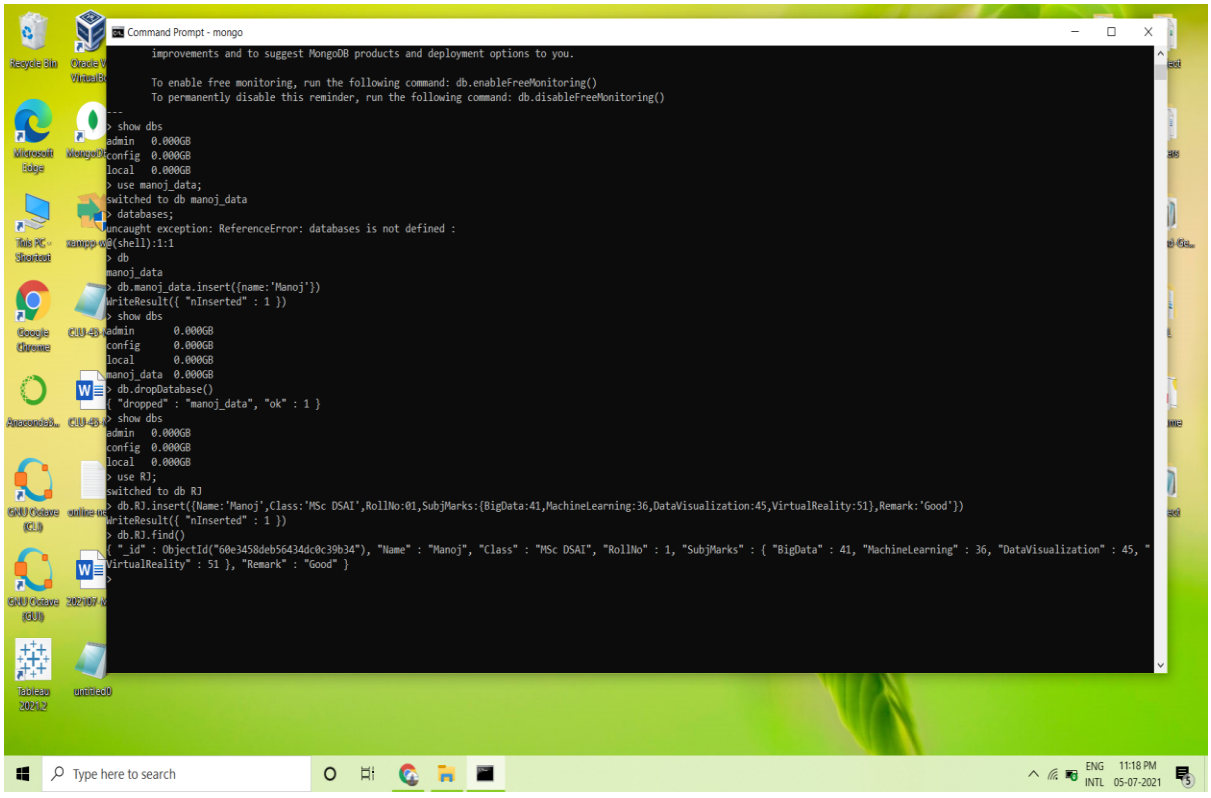
The server generated these startup warnings when booting:
2021-07-05T22:41:15.793+05:30: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted

Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).
The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.
To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

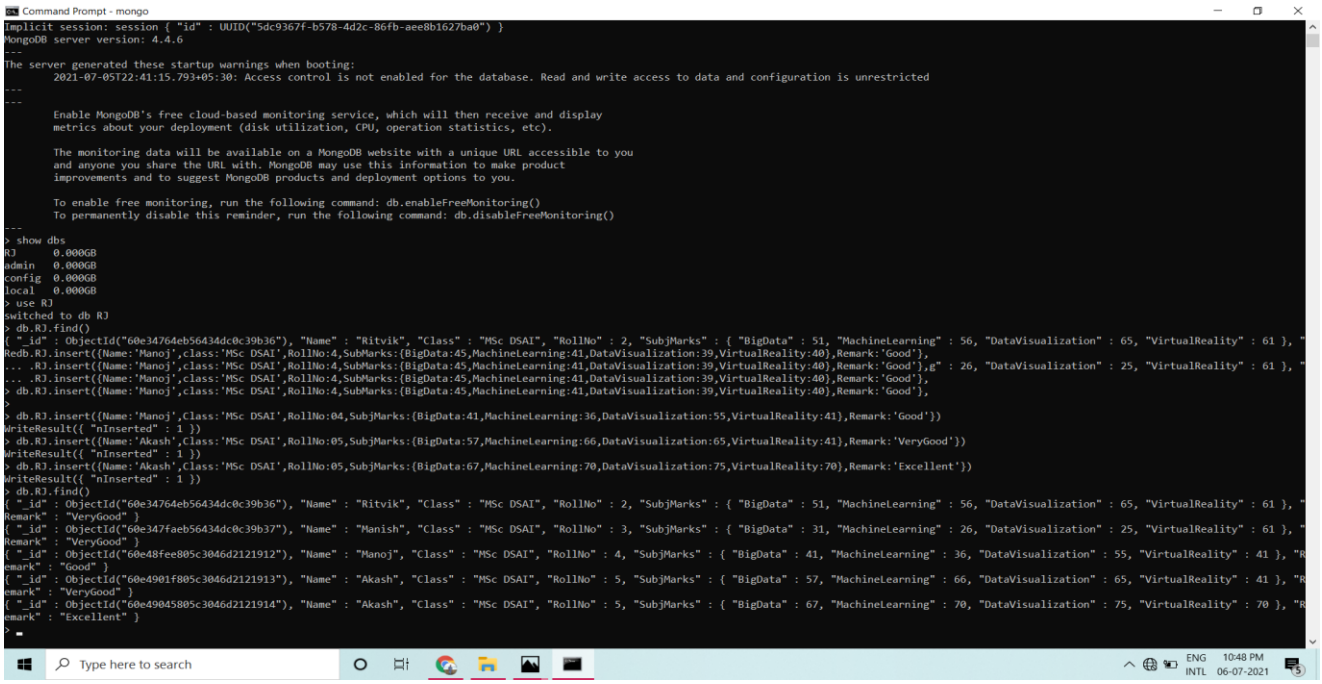
> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
Type here to search
ENG
INTL
10:55 PM
05-07-2021

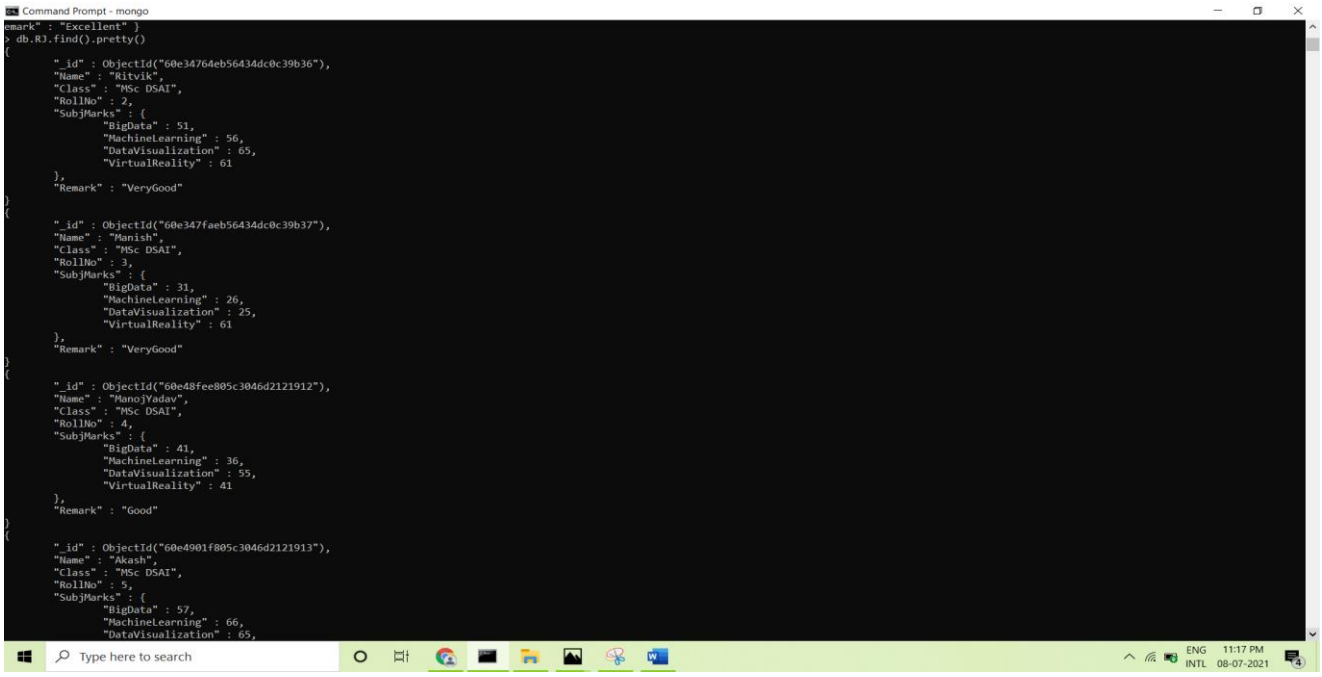

Command Prompt - mongo
improvements and to suggest MongoDB products and deployment options to you.
To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
> use manoj_data;
switched to db manoj_data
> databases;
uncaught exception: ReferenceError: databases is not defined :
@(shell):1:1
> db
manoj_data
> db.manoj_data.insert({name:'Manoj'})
WriteResult({ "nInserted" : 1 })
> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
manoj_data 0.000GB
> db.dropDatabase()
{ "dropped" : "manoj_data", "ok" : 1 }
> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
Type here to search
ENG
INTL
11:08 PM
05-07-2021

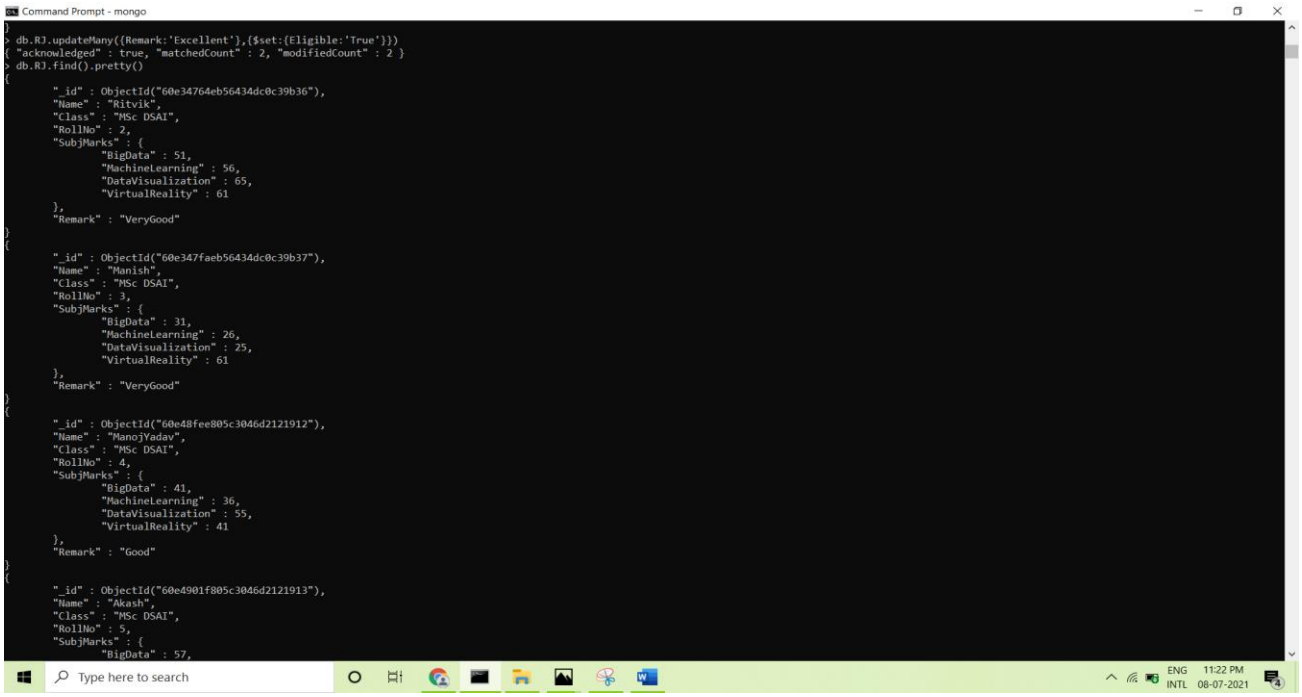

Command Prompt - mongo
improvements and to suggest MongoDB products and deployment options to you.
To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
> use manoj_data;
switched to db manoj_data
> databases;
uncaught exception: ReferenceError: databases is not defined :
@(shell):1:1
> db
manoj_data
> db.manoj_data.insert({name:'Manoj'})
WriteResult({ "nInserted" : 1 })
> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
manoj_data 0.000GB
> db.dropDatabase()
{ "dropped" : "manoj_data", "ok" : 1 }
> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
> use RJ;
switched to db RJ
> db.RJ.insert({Name:'Manoj',Class:'MSc DSAI',RollNo:01,SubjMarks:{BigData:41,MachineLearning:36,DataVisualization:45,VirtualReality:51},Remark:'Good'})
WriteResult({ "nInserted" : 1 })
> db.RJ.find()
{ "_id" : ObjectId("60e3458deb56434dc0c39b34"), "Name" : "Manoj", "Class" : "MSc DSAI", "RollNo" : 1, "SubjMarks" : { "BigData" : 41, "MachineLearning" : 36, "DataVisualization" : 45, "
VirtualReality" : 51 }, "Remark" : "Good" }
>
Type here to search
ENG
INTL
11:18 PM
05-07-2021






```
> db.RJ.update({Name:'Manoj'},{$set:{Name:'ManojYadav'}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.RJ.find()
{ "_id" : ObjectId("60e34764eb56434dc0c39b36"), "Name" : "Ritvik", "Class" : "MSc DSAI", "RollNo" : 2, "SubjMarks" : { "
BigData" : 51, "MachineLearning" : 56, "DataVisualization" : 65, "VirtualReality" : 61 }, "Remark" : "VeryGood" }
{ "_id" : ObjectId("60e347faeb56434dc0c39b37"), "Name" : "Manish", "Class" : "MSc DSAI", "RollNo" : 3, "SubjMarks" : { "
BigData" : 31, "MachineLearning" : 26, "DataVisualization" : 25, "VirtualReality" : 61 }, "Remark" : "VeryGood" }
{ "_id" : ObjectId("60e48fee805c3046d2121912"), "Name" : "ManojYadav", "Class" : "MSc DSAI", "RollNo" : 4, "SubjMarks" :
 { "BigData" : 41, "MachineLearning" : 36, "DataVisualization" : 55, "VirtualReality" : 41 }, "Remark" : "Good" }
{ "_id" : ObjectId("60e4901f805c3046d2121913"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 57, "MachineLearning" : 66, "DataVisualization" : 65, "VirtualReality" : 41 }, "Remark" : "VeryGood", "Ramrk"
: "VeryGood" }
{ "_id" : ObjectId("60e49045805c3046d2121914"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 67, "MachineLearning" : 70, "DataVisualization" : 75, "VirtualReality" : 70 }, "Remark" : "Excellent" }
{ "_id" : ObjectId("60e49746805c3046d2121915"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 67, "MachineLearning" : 70, "DataVisualization" : 75, "VirtualReality" : 70 }, "Remark" : "Excellent" }
>
```




```
> db.RJ.deleteOne({Remark:'Bad'})
{ "acknowledged" : true, "deletedCount" : 0 }
> db.RJ.deleteOne({Remark:'Good'})
{ "acknowledged" : true, "deletedCount" : 1 }
> db.RJ.find()
{ "_id" : ObjectId("60e34764eb56434dc0c39b36"), "Name" : "Ritvik", "Class" : "MSc DSAI", "RollNo" : 2, "SubjMarks" : { "
BigData" : 51, "MachineLearning" : 56, "DataVisualization" : 65, "VirtualReality" : 61 }, "Remark" : "VeryGood" }
{ "_id" : ObjectId("60e347faeb56434dc0c39b37"), "Name" : "Manish", "Class" : "MSc DSAI", "RollNo" : 3, "SubjMarks" : { "
BigData" : 31, "MachineLearning" : 26, "DataVisualization" : 25, "VirtualReality" : 61 }, "Remark" : "VeryGood" }
{ "_id" : ObjectId("60e4901f805c3046d2121913"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 57, "MachineLearning" : 66, "DataVisualization" : 65, "VirtualReality" : 41 }, "Remark" : "VeryGood", "Ramrk"
: "VeryGood" }
{ "_id" : ObjectId("60e49045805c3046d2121914"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 67, "MachineLearning" : 70, "DataVisualization" : 75, "VirtualReality" : 70 }, "Remark" : "Excellent", "Eligib
le" : "True" }
{ "_id" : ObjectId("60e49746805c3046d2121915"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 67, "MachineLearning" : 70, "DataVisualization" : 75, "VirtualReality" : 70 }, "Remark" : "Excellent", "Eligib
le" : "True" }
>
```

```
> db.RJ.deleteMany({Remark:'VeryGood'})
{ "acknowledged" : true, "deletedCount" : 3 }
> db.RJ.find()
{ "_id" : ObjectId("60e49045805c3046d2121914"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 67, "MachineLearning" : 70, "DataVisualization" : 75, "VirtualReality" : 70 }, "Remark" : "Excellent", "Eligib
le" : "True" }
{ "_id" : ObjectId("60e49746805c3046d2121915"), "Name" : "Akash", "Class" : "MSc DSAI", "RollNo" : 5, "SubjMarks" : { "B
igData" : 67, "MachineLearning" : 70, "DataVisualization" : 75, "VirtualReality" : 70 }, "Remark" : "Excellent", "Eligib
le" : "True" }
>
```