# **Group Details**

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# **Digital Assignment-I**

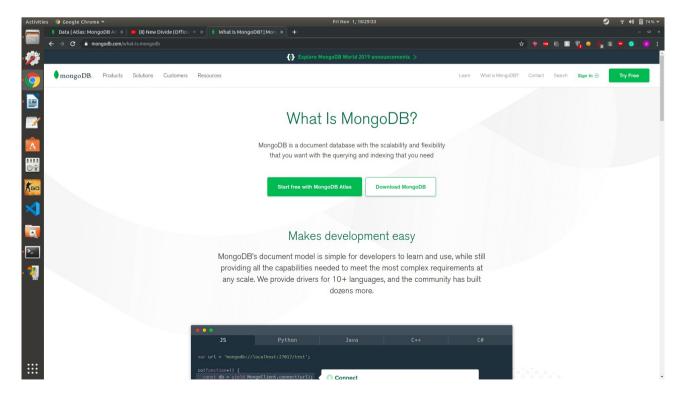
## **DBMS**

## Instruction Query for installation and basic command of MONGODB

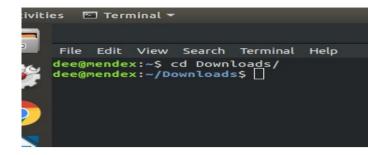
This process is only for Operating System UBUNTU 18.04 LTS

#### **Installation:**

(1) Download a .deb file from mongodb official website.

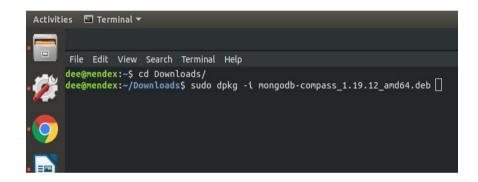


(2) Now go to terminal And change a directory to Downloads



(3) Now install a Downloaded package by command

### sudo dpkg -i <package name>



### basic command:

(1) now to launch a mongodb type

#### mongo

```
Activities Terminal Terminal Terminal Terminal Help

dee@mendex:~$ mongo
MongoDB shell version v3.6.3
connecting to: mongodb://127.0.0.1:27017
MongoDB server version: 3.6.3
Server has startup warnings:
2019-10-31T19:59:57.599+0530 I CONTROL [initandlisten]
2019-10-31T19:59:57.599+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2019-10-31T19:59:57.599+0530 I CONTROL [initandlisten] ** Read and write access to data and configuration is unrestricted.
2019-10-31T19:59:57.599+0530 I CONTROL [initandlisten]

2019-10-31T19:59:57.599+0530 I CONTROL [initandlisten]
```

(2) to create a database use this command in mongodb-shell

#### use <database name>

(3) to insert a data in database use this command-shell

## db.<collection name>.insert({....})

(4) to show the data use this command in mongodb-shell

db.<collection name>.find()

or

db.<collection name>.find().pretty()

```
db.datest.insert((Name:"deep",RegNo:"188CI9116",Address:"surat"))
WriteResult(("nInserted":1))

db.datest.find().pretty()

- ".d": ObjectId("5dbc2cf19598e6997dbd9aab"),
    "Name": 'deep",
    "RegNo': "188CI9116",
    "Address": "surat"
```

(5) to delete the data use this command in mongodb-shell

### db.<collection name>.remove({...})

```
db.datest.remove({Name:"nimish"})
writeResult({ "nRemoved" : 1 })

db.datest.find().pretty()
{
    "_id" : ObjectId("5dbc2cf19598e6907dbd9aab"),
    "Name" : "deep",
    "RegNo" : "18BCI0116",
    "Address" : "surat"
}
```

(6) to update the data use this command in mongodb-shell

## db.<collection name>.save{...})

```
db.datest.find().pretty()
{
    ".id": ObjectId("5dbc2e6a9598e6907dbd9ab0"),
    "Name": "deep",
    "RegNo": "18BCI0116",
    "Address": "surat"
}

db.datest.save({"_id": ObjectId("5dbc2e6a9598e6907dbd9ab0"),"Name":"nimish shah","RegNo":"18BCI0116","Address":"Barsi"})
WriteResult({ "nMatched": 1, "nUpserted": 0, "nModified": 1 })

db.datest.find().pretty()
{
    "_id": ObjectId("5dbc2e6a9598e6907dbd9ab0"),
    "Name": "nimish shah",
    "RegNo": "18BCI0116",
    "Address": "Barsi"
}
```

(7) to use the foreign key the data use this command in mongodb-shell

```
var <name>={...}
db.<collection name>.insert{...})
```

(8) to delete the data use this command in mongodb-shell

## db.<collection name>.remove({...})

```
}

var df=null
> db.datest.insert({"Name":"deep","RegNo":"18BCI0116","Address":null})
WriteResult({ "nInserted" : 1 })
> db.datest.find().pretty()

{
    "_id" : ObjectId("5dbc2e6a9598e6907dbd9ab0"),
    "Name" : "nimish shah",
    "RegNo" : "18BCI0116",
    "_id" : ObjectId("5dbc30079598e6907dbd9ab2"),
    "Name" : "deep",
    "RegNo" : "18BCI0116",
    "Address" : null
}

### Address is null

**Total Company **Total Co
```

(9) to use the greater than and less than in mongodb-shell

```
db.<collection name>.find({...:{$gt:..}})
```

db.<collection name>.find({...:{\$lt:..}})

(10) to use the or function in mongodb-shell

db.<collection name>.find({...:{\$or:..,}})

(11) to use the andfunction in mongodb-shell

```
db.<collection name>.find({...},{...})
```