

# Practical No.1

## 1 MongoDB Basics

a Write a MongoDB query to create and drop database.

Create database:

```
> show dbs
company  0.078GB
local    0.078GB
school   0.078GB
school1  0.078GB
> use emp
switched to db emp
```

```
> show dbs
company  0.078GB
emp      0.078GB
local    0.078GB
school   0.078GB
school1  0.078GB
```

Drop Database:

```
> db.dropDatabase()
{ "dropped" : "emp", "ok" : 1 }
```

```
{ "dropped" : "emp", "ok" : 1 }
> show dbs
company  0.078GB
local    0.078GB
school   0.078GB
school1  0.078GB
```

b Write a MongoDB query to create,display and drop collection

```
> use demo_collection
switched to db demo_collection
> db.createCollection(coll)
2019-08-02T11:51:16.681+0530 E
@shell):1:1
> db.createCollection("coll")
{ "ok" : 1 }
> show collections
coll
system.indexes
>
```

c Write a MongoDB query to insert,query,update and delete a document.

Inset Data

```
> use Demo
switched to db Demo
> db.col.insert({id:1,name:"abc"})
WriteResult({ "nInserted" : 1 })
> db.col.find()
{ "_id" : ObjectId("5d43d88798ef559da3a0c89d"), "id" : 1, "name" : "abc" }
```

```
> db.col.insert({id:2,name:"xyz"})
WriteResult({ "nInserted" : 1 })
> db.col.find().pretty()
{ "_id" : ObjectId("5d43d88798ef559da3a0c89d"), "id" : 1, "name" : "abc" }
{ "_id" : ObjectId("5d43d8ac98ef559da3a0c89e"), "id" : 2, "name" : "xyz" }
```

Update Data

```
> db.col.update({'id':1},{ $set: {'id':2}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.col.find().pretty()
{ "_id" : ObjectId("5d43d88798ef559da3a0c89d"), "id" : 2, "name" : "abc" }
{ "_id" : ObjectId("5d43d8ac98ef559da3a0c89e"), "id" : 2, "name" : "xyz" }
```

## Remove Collections

```
> db.col.remove({"name":"xyz"})
writeResult({ "nRemoved" : 1 })
> db.col.find().pretty()
{ "_id" : ObjectId("5d43d88798ef559da3a0c89d"), "id" : 2, "name" : "abc" }
```