

Practical 1: MongoDB Basics

a. Write a MongoDB query to create and drop database.

```
> use Shivam  
> db.dropDatabase()
```

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

Create a Collection

```
> db.createCollection("myCollection")
```

Display Collections

```
> show collections
```

Drop a Collection

```
> db.myCollection.drop()
```

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

Insert a Document

```
> db.myCollection.insert({"_id" : "t.22.122", "name" : "Shivam", "age" : 20, "Profession" :  
"Software Engineer"})
```

Query a Document

```
> db.myCollection.find({ age: 25 })
```

Update a Document

```
> db.mycollection.update({"name": "Shvam"}, {"$set : {"profession" : "senior developer"}}
```

Delete a Document

```
> db.myCollection.deleteOne({ name: "Shivam" })  
> db.myCollection.deleteMany({ age: { $lt: 30 } })
```