

# 1. Database Commands

**View all databases**

```
show dbs
```

**Create a new or switch databases**

```
use university
```

**View current Database**

```
db
```

**Delete Database**

**To delete data base you need to enter that data base first**

```
db.dropDatabase()
```

# 2. Collection Commands

**Show Collections in oother words we can say tables**

```
show collections
```

**Create a collection named 'comments'**

```
db.createCollection('students')
```

**Drop a collection named 'comments'**

```
db.students.drop()
```

### 3. Row(Document) Commands

#### Show all Rows in a Collection

```
db.students.find()
```

#### Show all Rows in a Collection (Prettified)

```
db.students.find().pretty()
```

#### Find the first row matching the object

It will stop searching when it will get first kaisar

```
db.students.findOne({name: 'kaisar'})
```

#### Insert One Row

```
db.students.insert({  
  'name': 'kaisar',  
  'roll': 06,  
  'dob': '02-feb-2001'  
})
```

#### Insert many Rows

```
db.students.insertMany([  
  {  
    'name': 'kaisar',  
    'roll': 06,  
    'dob': '02-feb-2001'  
  },  
  {  
    'name': 'farees',  
    'roll': 12,  
    'dob': '02-feb-2001'  
  },  
])
```

```
{'name': 'tawqeer',  
'roll': 35,  
'dob': '02-feb-2001'  
}]}
```

## Search in a MongoDB Database

```
db.students.find({roll: 06})
```

### Limit the number of rows in output

Find fun will get all the rows in the collectin but limit will restrict the output upto given limit

```
db.students.find().limit(2)
```

### Count the number of rows in the output

```
db.students.find().count()
```

### print rows in sorted way

1 for ascendind

-1 for desecnding

```
db.students.find().sort(roll: 1)
```

### Update a row

Without using upsert if it donot find any row mathing it simply do nothing but using upsert true it will create new object of that matching statement

```
db.students.update({name: 'zaid'},
```

```
{'name': 'zaid bin zahoor',  
  'roll': 39,  
  'dob': '02-feb-2001'  
}, {upsert: true})
```

## Mongodb Increment Operator

```
db.students.update({name: 'Rohan'},  
{ $inc: {  
  roll: 2  
}})
```

## Mongodb Rename Operator

**Rename fields( columns)**

**Using filter only matching rows will update without filter all row get updated**

```
db.students.update({name: 'kaisar'},  
{ $rename: {  
  roll: 'enrollment'  
}})
```

## Delete Row

```
db.students.remove({name: 'farees'})
```

## Less than/Greater than/ Less than or Eq/Greater than or Eq

```
db.students.find({member_since: {$lt: 90}})  
db.students.find({member_since: {$lte: 90}})  
db.students.find({member_since: {$gt: 90}})  
db.students.find({member_since: {$gte: 90}})
```

these are few operator all operators and all about mongodb that is documentation of mongo db u can see on given link

[Introduction to MongoDB — MongoDB Manual](#)