

## Practical 3:

**\*\*Create the DB:\*\***

```
test> use userdb;  
switched to db userdb
```

**\*\*Create the Collection:\*\***

```
userdb> db.createCollection("users")  
{ ok: 1 }
```

**\*\*Insert\*\***

```
userdb> db.users.insertOne({
...   name: "Angela",
...   age: 27,
... });
{
  acknowledged: true,
  insertedId: ObjectId("6791097c46a22d1d73fce054")
}
userdb> db.users.insertMany([
...   {
...     name: "Angela",
...     age: 27,
...   },
...   {
...     name: "Dwight",
...     age: 30,
...   },
...   {
...     name: "Jim",
...     age: 29,
...   }
... ]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6791099646a22d1d73fce055"),
    '1': ObjectId("6791099646a22d1d73fce056"),
    '2': ObjectId("6791099646a22d1d73fce057")
  }
}
```

**\*\*Find\*\***

```
userdb> db.users.find()
[
  {
    _id: ObjectId("6791097c46a22d1d73fce054"),
    name: 'Angela',
    age: 27
  },
  {
    _id: ObjectId("6791099646a22d1d73fce055"),
    name: 'Angela',
    age: 27
  },
  {
    _id: ObjectId("6791099646a22d1d73fce056"),
    name: 'Dwight',
    age: 30
  },
  { _id: ObjectId("6791099646a22d1d73fce057"), name: 'Jim', age: 29 }
]
userdb> db.users.find({ age: { $gt: 29 } }, { name: 1, age: 1 })
[
  {
    _id: ObjectId("6791099646a22d1d73fce056"),
    name: 'Dwight',
    age: 30
  }
]
userdb> db.users.findOne({ name: "Jim" })
{ _id: ObjectId("6791099646a22d1d73fce057"), name: 'Jim', age: 29 }
```

**\*\*Update\*\***

```
userdb> db.users.updateOne({ name: "Angela" }, { $set: { email: "angela@gmail.com" } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
userdb> db.users.updateMany({ age: { $lt: 30 } }, { $set: { status: "active" } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 3,
  upsertedCount: 0
}
```

**\*\*Delete\*\***

```
userdb> db.users.deleteOne({ name: "Angela" })
{ acknowledged: true, deletedCount: 1 }
userdb> db.users.deleteMany({ age: { $lt: 30 } })
{ acknowledged: true, deletedCount: 2 }
userdb> db.users.drop()
true
userdb> |
```