

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> |
```