Practical - 3

10-01-24
CRUD USING Mongodb

See Databases

test> show databases; admin 40.00 KiB

config 72.00 KiB

local   80.00 KiB

myapp 40.00 KiB

test   72.00 KiB

Create Database

test> use practical_3; switched to db practical_3

Creating a New Collection

practical_3> db.createCollection("users");

{ ok: 1 }

Inserting Documents in Collection

practical_3> db.users.insertOne({

... name: "Angela",

... age: 27,

... });

{

 acknowledged: true,

 insertedId: ObjectId('6780eb70255313953d6b6f92')

}

practical_3> db.users.insertMany([

... {name: "Angela",age: 27,},

... {name: "Dwight",age: 30,},

... {name: "Jim",age: 29,}

...]);

{

 acknowledged: true, insertedIds: {

  '0': ObjectId('6780ebac255313953d6b6f93'),

  '1': ObjectId('6780ebac255313953d6b6f94'),

  '2': ObjectId('6780ebac255313953d6b6f95')

```
  }
}
```

Read Data

```
practical_3> db.users.find()
][
  {
   _id: ObjectId('6780eb70255313953d6b6f92'), name: 'Angela',
   age: 27


  },
  {
   _id: ObjectId('6780ebac255313953d6b6f93'), name: 'Angela',
   age: 27
  },
  {
  _id: ObjectId('6780ebac255313953d6b6f94'), name: 'Dwight',
   age: 30
  },
  { _id: ObjectId('6780ebac255313953d6b6f95'), name: 'Jim', age: 29 }
]
practical_3> db.users.find().pretty() [
  {
   _id: ObjectId('6780eb70255313953d6b6f92'), name: 'Angela',
   age: 27
  },
  {
   _id: ObjectId('6780ebac255313953d6b6f93'), name: 'Angela',
   age: 27
  },
  {
   _id: ObjectId('6780ebac255313953d6b6f94'), name: 'Dwight',
   age: 30
  },
  { _id: ObjectId('6780ebac255313953d6b6f95'), name: 'Jim', age: 29 }
]
practical_3> db.users.find({ age: { $gt: 29 } }, { name: 1, age: 1 }) [
```

```
  {
    _id: ObjectId('6780ebac255313953d6b6f94'), name: 'Dwight',
    age: 30
  }
 ]
practical_3> db.users.findOne({ name: "Jim" })
{ _id: ObjectId('6780ebac255313953d6b6f95'), name: 'Jim', age: 29 }
```

Update Data

```
practical_3> db.users.updateOne({ name: "Angela" }, { $set: { email: "angela@gmail.com"
}})
{
 acknowledged: true, insertedId: null, matchedCount: 1,
 modifiedCount: 1,
 upsertedCount: 0
}
practical_3> db.users.updateMany({ age: { $lt: 30 }}, { $set: { status: "active" }})
{
 acknowledged: true, insertedId: null, matchedCount: 3,
 modifiedCount: 3,
 upsertedCount: 0
}
```

Delete Documents

```
practical_3> db.users.deleteOne({ name: "Angela" })
{ acknowledged: true, deletedCount: 1 }
practical_3> db.users.deleteMany({ age: { $lt: 30 } })
{ acknowledged: true, deletedCount: 2 }
practical_3> db.users.find().pretty() [
{
   _id: ObjectId('6780ebac255313953d6b6f94'), name: 'Dwight',
   age: 30
 }
]
```

Delete Database

```
practical_3> db.users.drop() true
practical_3> show databases; admin          40.00 KiB
```

```
config 108.00 KiB
local    80.00 KiB
myapp 40.00 KiB
test     72.00 KiB
```