MongoDB Practice

**Time**: 25 Minutes **Start Time:** 9:37AM

1. Create a Database – newHRDatabase
2. Create two collections (a)PersonalInfo (b) ProfessionalInfo
3. Insert documents in collection.

**Personal Info Documents:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Empid | EmpName | Age | Gender | Contact | City |
| X20221010 | Pritam | 26 | Male | 9988776655 | Delhi |
| X20221011 | Gitanjali | 27 | Female |  | New York |
| X20221013 | Sonam | 29 | Female | 7788995533 | Bangaluru |
| X20221017 | Shekhar | 28 | Male |  | Pune |

**Professional Info**

|  |  |  |
| --- | --- | --- |
| Designation | Department | Income |
| Consultant | Finance | 80000 |
| Sr. Developer | IT | 90000 |
| Data Analyst | Software | 150000 |
| Manager | Logistics | 200000 |

1. Update Collection Documents

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Empid | EmpName | Age | Gender | City |
| X20221011 | Gitanjali | 25 | Female | Chennai |
| X20221013 | Sonam | 31 | Female | Kolkata |

Create a Notepad/Word document and save all query program line by line.

show dbs

MongoDB 72.00 KiB

MyFirstDB 72.00 KiB

admin 40.00 KiB

config 60.00 KiB

local 72.00 KiB

test> use newHRDatabase

switched to db newHRDatabase

newHRDatabase> db.createCollection("PersionalInfo")

{ ok: 1 }

newHRDatabase> db.createCollection("ProfessionalInfo")

{ ok: 1 }

newHRDatabase> db.PersionalInfo.insertMany([{Empid:'x20221010',EmpName:'Pritam',Age:26,Gender:'Male',Contact:9988776655,City:'Delhi'},

{Empid:'X20221011',EmpName:'Gitanjali',Age:27,Gender:'Female',City:"New York"},

{Empid:'X20221013',EmpName:'Sonam',Age:29,Gender:'Female',Contact:7788995533,City:"Bangaluru"},

{Empid:'X20221017',EmpName:'Shekhar',Age:29,Gender:'Male',City:"Pune"}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("6348e2f0de5b441a78276ebc"),

'1': ObjectId("6348e2f0de5b441a78276ebd"),

'2': ObjectId("6348e2f0de5b441a78276ebe"),

'3': ObjectId("6348e2f0de5b441a78276ebf")

}

}

newHRDatabase> db.PersionalInfo.find().pretty()

[

{

\_id: ObjectId("6348e2f0de5b441a78276ebc"),

Empid: 'x20221010',

EmpName: 'Pritam',

Age: 26,

Gender: 'Male',

Contact: 9988776655,

City: 'Delhi'

},

{

\_id: ObjectId("6348e2f0de5b441a78276ebd"),

Empid: 'X20221011',

EmpName: 'Gitanjali',

Age: 27,

Gender: 'Female',

City: 'New York'

},

{

\_id: ObjectId("6348e2f0de5b441a78276ebe"),

Empid: 'X20221013',

EmpName: 'Sonam',

Age: 29,

Gender: 'Female',

Contact: 7788995533,

City: 'Bangaluru'

},

{

\_id: ObjectId("6348e2f0de5b441a78276ebf"),

Empid: 'X20221017',

EmpName: 'Shekhar',

Age: 29,

Gender: 'Male',

City: 'Pune'

}

]

newHRDatabase> db.ProfessionalInfo.insert({Designation:"Consultant",Department:"Finance",Income:80000})

DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.

{

acknowledged: true,

insertedIds: { '0': ObjectId("6348e385de5b441a78276ec0") }

}

newHRDatabase> db.ProfessionalInfo.insert({Designation:"Sr.Developer",Department:"IT",Income:90000})

{

acknowledged: true,

insertedIds: { '0': ObjectId("6348e3a3de5b441a78276ec1") }

}

newHRDatabase> db.ProfessionalInfo.insert({Designation:"Data Analyst",Department:"Software",Income:150000})

{

acknowledged: true,

insertedIds: { '0': ObjectId("6348e3c0de5b441a78276ec2") }

}

newHRDatabase> db.ProfessionalInfo.insert({Designation:"Manager",Department:"Logistics",Income:200000})

{

acknowledged: true,

insertedIds: { '0': ObjectId("6348e48ade5b441a78276ec3") }

}

newHRDatabase> db.PersionalInfo.update({Empid:'X20221011'},{$set:{Age:25,City:'Chennai'}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

newHRDatabase> db.PersionalInfo.update({Empid:'X20221013'},{$set:{Age:31,City:'Kolkata'}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

newHRDatabase> db.PersionalInfo.find().pretty()

[

{

\_id: ObjectId("6348e2f0de5b441a78276ebc"),

Empid: 'x20221010',

EmpName: 'Pritam',

Age: 26,

Gender: 'Male',

Contact: 9988776655,

City: 'Delhi'

},

{

\_id: ObjectId("6348e2f0de5b441a78276ebd"),

Empid: 'X20221011',

EmpName: 'Gitanjali',

Age: 25,

Gender: 'Female',

City: 'Chennai'

},

{

\_id: ObjectId("6348e2f0de5b441a78276ebe"),

Empid: 'X20221013',

EmpName: 'Sonam',

Age: 31,

Gender: 'Female',

Contact: 7788995533,

City: 'Kolkata'

},

{

\_id: ObjectId("6348e2f0de5b441a78276ebf"),

Empid: 'X20221017',

EmpName: 'Shekhar',

Age: 29,

Gender: 'Male',

City: 'Pune'

}

]