**AssignmentNo.03**

**Name:** Bhujbal Shubham Shantaram

**Roll No:** 62

**Title:** MONGODB Queries

Design and develop MONGODB Queries using CRUD operations(use CRUD operations,Save method,Logical operators etc.)

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test> show dbs

3426 8.00 KiB

AI 72.00 KiB

Anuj 40.00 KiB

admin 40.00 KiB

config 108.00 KiB

local 40.00 KiB

test> use ExamData

switched to db ExamData

ExamData> show dbs

3426 8.00 KiB

AI 72.00 KiB

Anuj 40.00 KiB

admin 40.00 KiB

config 84.00 KiB

local 40.00 KiB

ExamData> db.createCollection("StudentData")

{ ok: 1 }

ExamData> show collections

StudentData

* **INSERT**

ExamData> db.StudentData.insert({"Name":"Sai","RollNo":"1","Subject":"AI","Marks":{"Insem":"26","Endsem":"62"}})

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

{

acknowledged: true,

insertedIds: { '0': ObjectId("651e1678adcfb1bd18e445e2") }

}

ExamData> show dbs

3426 8.00 KiB

AI 72.00 KiB

Anuj 40.00 KiB

ExamData 8.00 KiB

admin 40.00 KiB

config 96.00 KiB

local 40.00 KiB

ExamData> db.StudentData.find()

[

{

\_id: ObjectId("651e1678adcfb1bd18e445e2"),

Name: 'Sai',

RollNo: '1',

Subject: 'AI',

Marks: { Insem: '26', Endsem: '62' }

}

]

ExamData> db.StudentData.insert([{"Name":"Rupesh","RollNo":"2","Subject":"HCI","Marks":{"Insem":"23","Endsem":"55"}},{"Name":"Aniket","RollNo":"3","Subject":"CN","Marks":{"Insem":"29","Endsem":"65"}},{"Name":"Shyam","RollNo":"4","Subject":"WT","Marks":{"Insem":"20","Endsem":"58"}}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("651e17efadcfb1bd18e445e3"),

'1': ObjectId("651e17efadcfb1bd18e445e4"),

'2': ObjectId("651e17efadcfb1bd18e445e5")

}

}

ExamData> db.StudentData.find().pretty()

[

{

\_id: ObjectId("651e1678adcfb1bd18e445e2"),

Name: 'Sai',

RollNo: '1',

Subject: 'AI',

Marks: { Insem: '26', Endsem: '62' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e3"),

Name: 'Rupesh',

RollNo: '2',

Subject: 'HCI',

Marks: { Insem: '23', Endsem: '55' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e4"),

Name: 'Aniket',

RollNo: '3',

Subject: 'CN',

Marks: { Insem: '29', Endsem: '65' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e5"),

Name: 'Shyam',

RollNo: '4',

Subject: 'WT',

Marks: { Insem: '20', Endsem: '58' }

}

]

* **FIND**

ExamData> db.StudentData.find({RollNo:{$gt:3}})

ExamData> db.StudentData.find({"RollNo":{$gt:"3"}})

[

{

\_id: ObjectId("651e17efadcfb1bd18e445e5"),

Name: 'Shyam',

RollNo: '4',

Subject: 'WT',

Marks: { Insem: '20', Endsem: '58' }

}

]

ExamData> db.StudentData.find({"RollNo":{$gt:"1",$lt:"4"}})

[

{

\_id: ObjectId("651e17efadcfb1bd18e445e3"),

Name: 'Rupesh',

RollNo: '2',

Subject: 'HCI',

Marks: { Insem: '23', Endsem: '55' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e4"),

Name: 'Aniket',

RollNo: '3',

Subject: 'CN',

Marks: { Insem: '29', Endsem: '65' }

}

]

* **UPDATE**

ExamData> db.StudentData.update({"Name":"Sai"},{$set:{"RollNo":"8"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

ExamData> db.SudentData.find()

ExamData> db.StudentData.find()

[

{

\_id: ObjectId("651e1678adcfb1bd18e445e2"),

Name: 'Sai',

RollNo: '8',

Subject: 'AI',

Marks: { Insem: '26', Endsem: '62' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e3"),

Name: 'Rupesh',

RollNo: '2',

Subject: 'HCI',

Marks: { Insem: '23', Endsem: '55' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e4"),

Name: 'Aniket',

RollNo: '3',

Subject: 'CN',

Marks: { Insem: '29', Endsem: '65' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e5"),

Name: 'Shyam',

RollNo: '4',

Subject: 'WT',

Marks: { Insem: '20', Endsem: '58' }

}

]

ExamData> db.StudentData.update({"Name":"Sai"},{$set:{"Marks":{"Insem":"29","Endsem":"60"}}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

ExamData> db.StudentData.find().pretty()

[

{

\_id: ObjectId("651e1678adcfb1bd18e445e2"),

Name: 'Sai',

RollNo: '8',

Subject: 'AI',

Marks: { Insem: '29', Endsem: '60' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e3"),

Name: 'Rupesh',

RollNo: '2',

Subject: 'HCI',

Marks: { Insem: '23', Endsem: '55' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e4"),

Name: 'Aniket',

RollNo: '3',

Subject: 'CN',

Marks: { Insem: '29', Endsem: '65' }

},

{

\_id: ObjectId("651e17efadcfb1bd18e445e5"),

Name: 'Shyam',

RollNo: '4',

Subject: 'WT',

Marks: { Insem: '20', Endsem: '58' }

}

]

* **REMOVE**

ExamData> db.StudentData.inventory.remove({"marks":{"Insem":"29","Endsem":"60"}},{"RollNo":"8"})

DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.

{ acknowledged: true, deletedCount: 0 }