**Assignment No. 2**

**Name:** DARIAN DAJI

**Std:** TE-A

**Roll No.:** 3164018

> db.student.insert({id:1,name:"Kedar",age:19,status:"A",marks:[89,88,78]})

WriteResult({ "nInserted" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"),

"id" : 1,

"name" : "Kedar",

"age" : 19,

"status" : "A",

"marks" : [

89,

88,

78

]

}

> db.student.insertMany([

... {id:2,name:"Kunal",age:19,status:"A",marks:[88,98,90]},

... {id:3,name:"Darian",age:20,status:"A",marks:[88,98,90]},

... {id:4,name:"Karan",age:20,status:"A",marks:[88,98,90]},

... {id:5,name:"Prathamesh",age:20,status:"A",marks:[88,98,90]},

... ])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("5b837443a49a01b7dcfb58bb"),

ObjectId("5b837443a49a01b7dcfb58bc"),

ObjectId("5b837443a49a01b7dcfb58bd"),

ObjectId("5b837443a49a01b7dcfb58be")

]

}

> db.student.find().pretty()

{

"\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"),

"id" : 1,

"name" : "Kedar",

"age" : 19,

"status" : "A",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bb"),

"id" : 2,

"name" : "Kunal",

"age" : 19,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bc"),

"id" : 3,

"name" : "Darian",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bd"),

"id" : 4,

"name" : "Karan",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58be"),

"id" : 5,

"name" : "Prathamesh",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

> db.student.find({age:{$gt:19,$lt:50}})

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bc"), "id" : 3, "name" : "Darian", "ag

e" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bd"), "id" : 4, "name" : "Karan", "age

" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58be"), "id" : 5, "name" : "Prathamesh",

"age" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

> db.student.insert({id:1,name:"Alonso",age:22,status:"B",marks:[89,88,78]})

WriteResult({ "nInserted" : 1 })

> db.student.insert({id:1,name:"Jorginho",age:24,status:"C",marks:[89,88,78]})

WriteResult({ "nInserted" : 1 })

> db.student.find({status:{$ne:"A"}}).pretty()

{

"\_id" : ObjectId("5b83779b29e14b51025fd4b2"),

"id" : 1,

"name" : "Alonso",

"age" : 22,

"status" : "B",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b8377ac29e14b51025fd4b3"),

"id" : 1,

"name" : "Jorginho",

"age" : 24,

"status" : "C",

"marks" : [

89,

88,

78

]

}

> db.student.find({age:{$lt:55}}).pretty()

{

"\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"),

"id" : 1,

"name" : "Kedar",

"age" : 19,

"status" : "A",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bb"),

"id" : 2,

"name" : "Kunal",

"age" : 19,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bc"),

"id" : 3,

"name" : "Darian",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bd"),

"id" : 4,

"name" : "Karan",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58be"),

"id" : 5,

"name" : "Prathamesh",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b83779b29e14b51025fd4b2"),

"id" : 1,

"name" : "Alonso",

"age" : 22,

"status" : "B",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b8377ac29e14b51025fd4b3"),

"id" : 1,

"name" : "Jorginho",

"age" : 24,

"status" : "C",

"marks" : [

89,

88,

78

]

}

> db.student.find({age:{$lt:55}}).count()

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> db.student.insert({id:55,age:24,status:"C",marks:[89,88,78]})

WriteResult({ "nInserted" : 1 })

> db.student.find({name:null})

{ "\_id" : ObjectId("5b83796b29e14b51025fd4b4"), "id" : 55, "age" : 24, "status"

: "C", "marks" : [ 89, 88, 78 ] }

> db.student.find({name:{$regex:/^K/}})

{ "\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"), "id" : 1, "name" : "Kedar", "age

" : 19, "status" : "A", "marks" : [ 89, 88, 78 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bb"), "id" : 2, "name" : "Kunal", "age

" : 19, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bd"), "id" : 4, "name" : "Karan", "age

" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

> db.student.find({name:{$regex:/^K.\*r$/}})

{ "\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"), "id" : 1, "name" : "Kedar", "age

" : 19, "status" : "A", "marks" : [ 89, 88, 78 ] }

> db.student.find({"marks.1":{$gt:90}}).pretty()

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bb"),

"id" : 2,

"name" : "Kunal",

"age" : 19,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bc"),

"id" : 3,

"name" : "Darian",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bd"),

"id" : 4,

"name" : "Karan",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58be"),

"id" : 5,

"name" : "Prathamesh",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

> db.student.findOne({name:"Jorginho"},{name:1,marks:1})

{

"\_id" : ObjectId("5b8377ac29e14b51025fd4b3"),

"name" : "Jorginho",

"marks" : [

89,

88,

78

]

}

}

> db.student.find({age:{$not:{$gt:22}}})

{ "\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"), "id" : 1, "name" : "Kedar", "age

" : 19, "status" : "A", "marks" : [ 89, 88, 78 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bb"), "id" : 2, "name" : "Kunal", "age

" : 19, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bc"), "id" : 3, "name" : "Darian", "ag

e" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58bd"), "id" : 4, "name" : "Karan", "age

" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b837443a49a01b7dcfb58be"), "id" : 5, "name" : "Prathamesh",

"age" : 20, "status" : "A", "marks" : [ 88, 98, 90 ] }

{ "\_id" : ObjectId("5b83779b29e14b51025fd4b2"), "id" : 1, "name" : "Alonso", "ag

e" : 22, "status" : "B", "marks" : [ 89, 88, 78 ] }

> db.student.find({$or:{age:22,status:"B"}})

Error: error: {

"ok" : 0,

"errmsg" : "$or must be an array",

"code" : 2,

"codeName" : "BadValue"

}

> db.student.find({$or:[{age:22,status:"B"}]})

{ "\_id" : ObjectId("5b83779b29e14b51025fd4b2"), "id" : 1, "name" : "Alonso", "ag

e" : 22, "status" : "B", "marks" : [ 89, 88, 78 ] }

> db.student.find({status:{$eq:"A"},age:{$gt:15}}).pretty()

{

"\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"),

"id" : 1,

"name" : "Kedar",

"age" : 19,

"status" : "A",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bb"),

"id" : 2,

"name" : "Kunal",

"age" : 19,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bc"),

"id" : 3,

"name" : "Darian",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bd"),

"id" : 4,

"name" : "Karan",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58be"),

"id" : 5,

"name" : "Prathamesh",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

> db.student.find().sort({"id":-1}).pretty()

{

"\_id" : ObjectId("5b83796b29e14b51025fd4b4"),

"id" : 55,

"age" : 24,

"status" : "C",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58be"),

"id" : 5,

"name" : "Prathamesh",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bd"),

"id" : 4,

"name" : "Karan",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bc"),

"id" : 3,

"name" : "Darian",

"age" : 20,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b837443a49a01b7dcfb58bb"),

"id" : 2,

"name" : "Kunal",

"age" : 19,

"status" : "A",

"marks" : [

88,

98,

90

]

}

{

"\_id" : ObjectId("5b83717fa49a01b7dcfb58ba"),

"id" : 1,

"name" : "Kedar",

"age" : 19,

"status" : "A",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b83779b29e14b51025fd4b2"),

"id" : 1,

"name" : "Alonso",

"age" : 22,

"status" : "B",

"marks" : [

89,

88,

78

]

}

{

"\_id" : ObjectId("5b8377ac29e14b51025fd4b3"),

"id" : 1,

"name" : "Jorginho",

"age" : 24,

"status" : "C",

"marks" : [

89,

88,

78

]

}