Assignment No:2(Group C)

Title: Create a database with suitable example using MongoDB and implement

1.Inserting and saving document(batch insert,insert validation)

2.Removing document

3.Updating document (document replacement,using modifiers,insert,updating multiple documents,returning updated documents)

Batch No: T1 Roll No:06

----------------------------------------------------------------

>use tejas

switched to db tejas

> db.student.insert({'name':'john','id':1,'branch':'computer','class':'BE'})

> db.student.insert({'name':'mayuri','id':2,'branch':'civil','class':'TE'})

> db.student.insert({'name':'aman','id':3,'branch':'ETC','class':'TE'})

> db.student.insert({'name':'anand','id':4,'branch':'ETC','class':'SE'})

> db.student.find()

{ "\_id" : ObjectId("59d3d038f8efd48f38c26f0f"), "name" : "john", "id" : 1, "branch" : "computer", "class" : "BE", "marks" : 50 }

{ "\_id" : ObjectId("59d3d09ff8efd48f38c26f10"), "name" : "mayuri", "id" : 2, "branch" : "civil", "class" : "TE", "marks" : 70 }

{ "\_id" : ObjectId("59d3d0bdf8efd48f38c26f11"), "name" : "aman", "id" : 3, "branch" : "ETC", "class" : "TE", "marks" : 80 }

{ "\_id" : ObjectId("59d3d0d6f8efd48f38c26f12"), "name" : "anand", "id" : 4, "branch" : "ETC", "class" : "SE", "marks" : 65 }

> db.student.findone()

{

"\_id" : ObjectId("59d3d038f8efd48f38c26f0f"), "name" : "john",

"id" : 1,

"branch" : "computer",

"class" : "BE",

"marks" : 50

}

>db.student.find({$or:[{marks:{$lt:60}}]})

{ "\_id" : ObjectId("59d3d038f8efd48f38c26f0f"), "name" : "john", "id" : 1, "branch" : "computer", "class" : "BE", "marks" : 50 }

>db.student.find({$and:[{'marks':80},{'name':'aman'}]})

{ "\_id" : ObjectId("59d3d0bdf8efd48f38c26f11"), "name" : "aman", "id" : 3, "branch" : "ETC", "class" : "TE", "marks" : 80 }

>db.student.find({$nor:[{'marks':80},{'name':'aman'}]})

{ "\_id" : ObjectId("59d3d038f8efd48f38c26f0f"), "name" : "john", "id" : 1, "branch" : "computer", "class" : "BE", "marks" : 50 }

{ "\_id" : ObjectId("59d3d09ff8efd48f38c26f10"), "name" : "mayuri", "id" : 2, "branch" : "civil", "class" : "TE", "marks" : 70 }

{ "\_id" : ObjectId("59d3d0d6f8efd48f38c26f12"), "name" : "anand", "id" : 4, "branch" : "ETC", "class" : "SE", "marks" : 65 }

>db.student.find({"marks":{"$lt":70,"$gt":60}})

{ "\_id" : ObjectId("59d3d0d6f8efd48f38c26f12"), "name" : "anand", "id" : 4, "branch" : "ETC", "class" : "SE", "marks" : 65 }

> db.inventory.insert([{item:"journal",qty:25,tags:["blanks","red"],dim\_cm:[14,21]},

... {item:"notebook",qty:50,tags:["red","blanks"],dim\_cm:[14,21]},

... {item:"paper",qty:100,tags:["red","blank","plain"],dim\_cm:[14,21]},

... {item:"planner",qty:45,tags:["blue"],dim\_cm:[10,15.25]}])

BulkWriteResult({

"writeErrors" : [ ],

"writeConcernErrors" : [ ],

"nInserted" : 4,

"nUpserted" : 0,

"nMatched" : 0,

"nModified" : 0,

"nRemoved" : 0,

"upserted" : [ ]

})

> db.inventory.find()

{ "\_id" : ObjectId("59d8f7be74cd16c082157a95"), "item" : "journal", "qty" : 25, "tags" : [ "blanks", "red" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a96"), "item" : "notebook", "qty" : 50, "tags" : [ "red", "blanks" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a97"), "item" : "paper", "qty" : 100, "tags" : [ "red", "blank", "plain" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a98"), "item" : "planner", "qty" : 45, "tags" : [ "blue" ], "dim\_cm" : [ 10, 15.25 ] }

> db.inventory.find({tags:{$all:["red","blanks"]}})

{ "\_id" : ObjectId("59d8f7be74cd16c082157a95"), "item" : "journal", "qty" : 25, "tags" : [ "blanks", "red" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a96"), "item" : "notebook", "qty" : 50, "tags" : [ "red", "blanks" ], "dim\_cm" : [ 14, 21 ] }

> db.inventory.find({dim\_cm:{$gt:16}})

{ "\_id" : ObjectId("59d8f7be74cd16c082157a95"), "item" : "journal", "qty" : 25, "tags" : [ "blanks", "red" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a96"), "item" : "notebook", "qty" : 50, "tags" : [ "red", "blanks" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a97"), "item" : "paper", "qty" : 100, "tags" : [ "red", "blank", "plain" ], "dim\_cm" : [ 14, 21 ] }

> db.inventory.find({dim\_cm:{$size:2}})

{ "\_id" : ObjectId("59d8f7be74cd16c082157a95"), "item" : "journal", "qty" : 25, "tags" : [ "blanks", "red" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a96"), "item" : "notebook", "qty" : 50, "tags" : [ "red", "blanks" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a97"), "item" : "paper", "qty" : 100, "tags" : [ "red", "blank", "plain" ], "dim\_cm" : [ 14, 21 ] }

{ "\_id" : ObjectId("59d8f7be74cd16c082157a98"), "item" : "planner", "qty" : 45, "tags" : [ "blue" ], "dim\_cm" : [ 10, 15.25 ] }