**Group B**

**Assignment No. 2**

test> use Onkar

switched to db Onkar

Onkar> db.createCollection("TE")

{ ok: 1 }

Onkar> db.TE.insertMany([{Rollno:1,Name:"Aditya",Fee:105000},{Rollno:24,Name:"Sid",Fee:13290},{Rollno:52,Name:"Suraj",Fee:107000},{Rollno:54,Name:"Onkar",Fee:190},{Rollno:65,Name:"Ashok",Fee:13390},{Rollno:67,Name:"Pratik",Fee:59000},{Rollno:1,Name:"Aditya",Fee:1050},{Rollno:54,Name:"Onkar",Fee:19000}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('66f263b173d0918db9964048'),

'1': ObjectId('66f263b173d0918db9964049'),

'2': ObjectId('66f263b173d0918db996404a'),

'3': ObjectId('66f263b173d0918db996404b'),

'4': ObjectId('66f263b173d0918db996404c'),

'5': ObjectId('66f263b173d0918db996404d'),

'6': ObjectId('66f263b173d0918db996404e'),

'7': ObjectId('66f263b173d0918db996404f')

}

}

Onkar> db.TE.find()

[

{

\_id: ObjectId('66f263b173d0918db9964048'),

Rollno: 1,

Name: 'Aditya',

Fee: 105000

},

{

\_id: ObjectId('66f263b173d0918db9964049'),

Rollno: 24,

Name: 'Sid',

Fee: 13290

},

{

\_id: ObjectId('66f263b173d0918db996404a'),

Rollno: 52,

Name: 'Suraj',

Fee: 107000

},

{

\_id: ObjectId('66f263b173d0918db996404b'),

Rollno: 54,

Name: 'Onkar',

Fee: 190

},

{

\_id: ObjectId('66f263b173d0918db996404c'),

Rollno: 65,

Name: 'Ashok',

Fee: 13390

},

{

\_id: ObjectId('66f263b173d0918db996404d'),

Rollno: 67,

Name: 'Pratik',

Fee: 59000

},

{

\_id: ObjectId('66f263b173d0918db996404e'),

Rollno: 1,

Name: 'Aditya',

Fee: 1050

},

{

\_id: ObjectId('66f263b173d0918db996404f'),

Rollno: 54,

Name: 'Onkar',

Fee: 19000

}

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$sum:"$Fee"}}})

[

{ \_id: 'Suraj', total: 107000 },

{ \_id: 'Sid', total: 13290 },

{ \_id: 'Onkar', total: 19190 },

{ \_id: 'Ashok', total: 13390 },

{ \_id: 'Pratik', total: 59000 },

{ \_id: 'Aditya', total: 106050 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$avg:"$Fee"}}})

[

{ \_id: 'Suraj', total: 107000 },

{ \_id: 'Sid', total: 13290 },

{ \_id: 'Onkar', total: 9595 },

{ \_id: 'Ashok', total: 13390 },

{ \_id: 'Pratik', total: 59000 },

{ \_id: 'Aditya', total: 53025 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$min:"$Fee"}}})

[

{ \_id: 'Aditya', total: 1050 },

{ \_id: 'Sid', total: 13290 },

{ \_id: 'Onkar', total: 190 },

{ \_id: 'Ashok', total: 13390 },

{ \_id: 'Pratik', total: 59000 },

{ \_id: 'Suraj', total: 107000 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$max:"$Fee"}}})

[

{ \_id: 'Suraj', total: 107000 },

{ \_id: 'Sid', total: 13290 },

{ \_id: 'Onkar', total: 19000 },

{ \_id: 'Ashok', total: 13390 },

{ \_id: 'Pratik', total: 59000 },

{ \_id: 'Aditya', total: 105000 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$first:"$Fee"}}})

[

{ \_id: 'Suraj', total: 107000 },

{ \_id: 'Sid', total: 13290 },

{ \_id: 'Onkar', total: 190 },

{ \_id: 'Ashok', total: 13390 },

{ \_id: 'Pratik', total: 59000 },

{ \_id: 'Aditya', total: 105000 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$last:"$Fee"}}})

[

{ \_id: 'Sid', total: 13290 },

{ \_id: 'Aditya', total: 1050 },

{ \_id: 'Onkar', total: 19000 },

{ \_id: 'Ashok', total: 13390 },

{ \_id: 'Pratik', total: 59000 },

{ \_id: 'Suraj', total: 107000 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$sum:1}}})

[

{ \_id: 'Aditya', total: 2 },

{ \_id: 'Suraj', total: 1 },

{ \_id: 'Sid', total: 1 },

{ \_id: 'Onkar', total: 2 },

{ \_id: 'Pratik', total: 1 },

{ \_id: 'Ashok', total: 1 }

]

Onkar> db.TE.aggregate({$group:{\_id:"$Name","total":{$addToSet:"$Fee"}}})

[

{ \_id: 'Aditya', total: [ 105000, 1050 ] },

{ \_id: 'Sid', total: [ 13290 ] },

{ \_id: 'Onkar', total: [ 190, 19000 ] },

{ \_id: 'Ashok', total: [ 13390 ] },

{ \_id: 'Pratik', total: [ 59000 ] },

{ \_id: 'Suraj', total: [ 107000 ] }

]

Onkar> db.TE.createIndex({'Rollno':1})

Rollno\_1

Onkar> db.TE.createIndex({'Rollno':52})

Rollno\_52

Onkar> db.TE.createIndex({'Rollno':54})

Rollno\_54

Onkar> db.TE.createIndex({'Rollno':65})

Rollno\_65

Onkar> db.TE.getIndexes()

[

{ v: 2, key: { \_id: 1 }, name: '\_id\_' },

{ v: 2, key: { Rollno: 1 }, name: 'Rollno\_1' },

{ v: 2, key: { Rollno: 52 }, name: 'Rollno\_52' },

{ v: 2, key: { Rollno: 54 }, name: 'Rollno\_54' },

{ v: 2, key: { Rollno: 65 }, name: 'Rollno\_65' }

]

Onkar> db.TE.dropIndex({'Rollno':54})

{ nIndexesWas: 5, ok: 1 }

Onkar> db.TE.getIndexes()

[

{ v: 2, key: { \_id: 1 }, name: '\_id\_' },

{ v: 2, key: { Rollno: 1 }, name: 'Rollno\_1' },

{ v: 2, key: { Rollno: 52 }, name: 'Rollno\_52' },

{ v: 2, key: { Rollno: 65 }, name: 'Rollno\_65' }

]

Onkar>