OUTPUT:

* use comp; switchedtodbcomp

//CREATE COLLECTION WEBSITE

* db.createCollection('website');

{"ok":1 }

//INSERT VALUES IN WEBSITE

db.website.insert({'roll':'1','name':'Atharva','amount':1000,'ur l':'www.yahoo.com'});

WriteResult({"nInserted":1})

>db.website.insert({'roll':'2','name':'Omkar','amount':2000,'url':'[www.yahoo.com](http://www.yahoo.com/)'});

WriteResult({"nInserted":1})

>db.website.insert({'roll':'3','name':'Aryan','amount':3000,'url':'www.google.com'

});

WriteResult({"nInserted":1})

>db.website.insert({'roll':'4','name':'ash','amount':4000,'url':'www.gmail.com'})

;

WriteResult({"nInserted":1})

>db.website.insert({'roll':'5','name':'ash','amount':1000,'url':'[dpcoe.com](http://www.pvg.com/)'}); WriteResult({ "nInserted" : 1 })

//SUMAGGREGATE

* db.website.aggregate({$group:{\_id:"$name","total":{$sum:"$amount"}}});

{"\_id":"ash","total":5000}

{"\_id":"Aryan","total":3000}

{"\_id":"Omkar","total":2000}

{"\_id":"Atharva","total":2000}

//AVG AGGREGATE

* db.website.aggregate({$group:{\_id:"$name","total":

{$avg:"$amount"}}});

{"\_id":"ash","total":2500}

{"\_id":"Aryan","total":3000}

{"\_id":"Omkar","total":2000}

{"\_id":"Atharva","total":1000}

//MINAGGREGATION

* db.website.aggregate({$group:{\_id:"$name","total":{$min:"$amount"}}});

{"\_id":"ash","total":1000}

{"\_id":"Aryan","total":3000}

{"\_id":"Omkar","total":2000}

{"\_id":"Atharva","total":1000}

//MAXAGGREGATION

* db.website.aggregate({$group:{\_id:"$name","total":{$max:"$amount"}}});

{"\_id":"ash","total":4000}

{"\_id":"Aryan","total":3000}

{"\_id":"Omkar","total":2000}

{"\_id":"Atharva","total":1000}

//FIRSTAGGREGATION

* db.website.aggregate({$group:{\_id:"$name","total":{$first:"$amount"}}});

{"\_id":"ash","total":4000}

{"\_id":"Aryan","total":3000}

{"\_id":"Omkar","total":2000}

{"\_id":"Atharva","total":1000}

//LASTAGGREGATION

* db.website.aggregate({$group:{\_id:"$name","total":{$last:"$amount"}}});

{"\_id":"ash","total":1000}

{"\_id":"Aryan","total":3000}

{"\_id":"Omkar","total":2000}

{"\_id":"Atharva","total":1000}

//PUSHAGGREGATION

* db.website.aggregate({$group:{\_id:"$name","total":

{$push:"$amount"}}});

{"\_id":"ash","total":[4000,1000]}

{"\_id":"Aryan","total":[3000]}

{"\_id":"Omkar","total":[2000]}

{"\_id":"Atharva","total":[1000,1000]}

//COUNTAGGREGATION

* db.website.aggregate({$group:{\_id:"$name","total":{$sum:1}}});

{"\_id":"ash","total":2}

{"\_id":"Aryan","total":1}

{"\_id":"Omkar","total":1}

{"\_id":"Atharva","total":2}

//ADDTOSETAGGREGATE

* db.website.aggregate({$group:

{\_id:"$name","total"{$addToSet:"$amount"}}});

{"\_id":"ash","total":[1000,4000]}

{"\_id":"Aryan","total":[3000]}

{"\_id":"Omkar","total":[2000]}

{"\_id":"Atharva","total":[1000]}

//INDEXING

* db.createCollection('website1');

{"ok":1 }

* db.website1.insert({'r':1,'name':'Atharva'}); WriteResult({ "nInserted" : 1 })
* db.website1.find().pretty()

{"\_id":ObjectId("5ba3509a444926329738012d"),"roll":1, "name" : "Atharva" }

{"\_id":ObjectId("5ba35293444926329738012e"),"roll":1, "name" : "Atharva" }

* db.website1.createIndex({'name':1})

{"numIndexesBefore":2,"note":"allindexesalready exist", "ok" : 1 }//CREATE INDEXING

* db.website1.createIndex({'name':-1})

{

"createdCollectionAutomatically":false, "numIndexesBefore" : 2,

"numIndexesAfter":3,

"ok":1

}

* db.website1.getIndexses()

2018-09-20T13:28:09.628+0530TypeError:Property'getIndexses' of object om.website is not a

function

* db.website1.getIndexes() [

{"v":1,

"key":{

"\_id":1

},

"name":"\_id\_",

"ns":"Atharva.website1"

},

{

"v":1,

"key":{

"name":1

},

"name" : "name\_1", "ns":"Atharva.website1"

},

{

"v":1,

"key":{

"name":-1

},

"name" : "name\_-1", "ns":"Atharva.website1"

}

]

* db.website1.createIndex({'name':-1})

{"numIndexesBefore":3,"note":"allindexesalready exist", "ok" : 1 }

//DROPINDEX

* db.website.dropIndex({'name':-1})

{ "nIndexesWas" : 3, "ok" : 1 }>db.website1.dropIndex({'name':1})

{"nIndexesWas":2,"ok":1}>db.website1.dropIndex({'name':1})

{

"nIndexesWas":1,

"ok":0,

"errmsg":"can'tfindindexwithkey:{name:1.0}"

}

//GETINDEXING

* db.website1.getIndexes() [

{

"v":1, "key":{

"\_id":1

},

"name":"\_id\_",

"ns":"Atharva.website1"

}

]

* db.website1.find().pretty()

{"\_id":ObjectId("5ba3509a444926329738012d"),"roll":1, "name" : "Atharva" }

{"\_id":ObjectId("5ba35293444926329738012e"),"roll":1, "name" : "Atharva" }

* db.website1.createIndex({'name':1})

{

"createdCollectionAutomatically":false, "numIndexesBefore" : 1,

"numIndexesAfter":2,

"ok":1

}

* db.website1.getIndexes()[

{

"v":1,

"key":{

"\_id":1

},

"name":"\_id\_",

"ns":"Atharva.website1"

},

{

"v":1,

"key":{"name":1

},

"name" : "name\_1", "ns":"Atharva.website1"

}

]

* db.website1.dropIndex({'name':1})

{"nIndexesWas":2,"ok":1}

* db.website1.getIndexes() [

{

"v":1,

"key":{

"\_id":1

},

"name":"\_id\_",

"ns":"Atharva.website1"

}

]

* db.website1.createIndex({'name':1,'r':-1})

{"createdCollectionAutomatically":false, "numIndexesBefore" : 1,

"numIndexesAfter":2,

"ok":1

}

* db.website1.getIndexes() [

{

"v":1,

"key":{

"\_id":1

},

"name":"\_id\_",

"ns":"Atharva.website1"

},

{

"v":1,

"key":{

"name":1,

"r":-1

},

"name":"name\_1\_r\_-1", "ns" : "Atharva.website1"

}

](i-search)`db.website1.insert({'roll':1,'name':'Atharva'});'