SCRIPT:

> show databases;

admin 0.000GB

assign10 0.000GB

assign9 0.000GB

config 0.000GB

local 0.000GB

> use assign11

switched to db assign11

> db.createCollection("emp\_info")

{ "ok" : 1 }

> db.emp\_info.insert({\_id:1,emp\_name:"Bhavik",emp\_age:20,emp\_city:"Pune",emp\_salary:80000})

WriteResult({ "nInserted" : 1 })

> db.emp\_info.insert({\_id:2,emp\_name:"Rahul",emp\_age:22,emp\_city:"Mumbai",emp\_salary:50000})

WriteResult({ "nInserted" : 1 })

> db.emp\_info.insert({\_id:3,emp\_name:"Raj",emp\_age:21,emp\_city:"Mumbai",emp\_salary:40000})

WriteResult({ "nInserted" : 1 })

> db.emp\_info.insert({\_id:4,emp\_name:"Vijay",emp\_age:25,emp\_city:"Pune",emp\_salary:70000})

WriteResult({ "nInserted" : 1 })

> db.emp\_info.insert({\_id:5,emp\_name:"Advait",emp\_age:20,emp\_city:"Pune",emp\_salary:85000})

WriteResult({ "nInserted" : 1 })

> db.emp\_info.find()

{ "\_id" : 1, "emp\_name" : "Bhavik", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 80000 }

{ "\_id" : 2, "emp\_name" : "Rahul", "emp\_age" : 22, "emp\_city" : "Mumbai", "emp\_salary" : 50000 }

{ "\_id" : 3, "emp\_name" : "Raj", "emp\_age" : 21, "emp\_city" : "Mumbai", "emp\_salary" : 40000 }

{ "\_id" : 4, "emp\_name" : "Vijay", "emp\_age" : 25, "emp\_city" : "Pune", "emp\_salary" : 70000 }

{ "\_id" : 5, "emp\_name" : "Advait", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 85000 }

> db.emp\_info.aggregate([{$group : {\_id:"$emp\_city", category: {$sum :1}}}])

{ "\_id" : "Mumbai", "category" : 2 }

{ "\_id" : "Pune", "category" : 3 }

> db.emp\_info.aggregate([{$match:{"emp\_city":"Pune"}},{$group:{\_id:null,min\_salary:{$min:"$emp\_salary"}}}])

{ "\_id" : null, "min\_salary" : 70000 }

> db.emp\_info.aggregate([{$match:{"emp\_city":"Mumbai"}},{$group:{\_id:null,min\_salary:{$max:"$emp\_salary"}}}])

{ "\_id" : null, "min\_salary" : 50000 }

> db.emp\_info.aggregate([{$group:{\_id:null,avg\_salary:{$avg:"$emp\_salary"}}}])

{ "\_id" : null, "avg\_salary" : 65000 }

> db.emp\_info.aggregate([{$sort:{\_id:1}}])

{ "\_id" : 1, "emp\_name" : "Bhavik", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 80000 }

{ "\_id" : 2, "emp\_name" : "Rahul", "emp\_age" : 22, "emp\_city" : "Mumbai", "emp\_salary" : 50000 }

{ "\_id" : 3, "emp\_name" : "Raj", "emp\_age" : 21, "emp\_city" : "Mumbai", "emp\_salary" : 40000 }

{ "\_id" : 4, "emp\_name" : "Vijay", "emp\_age" : 25, "emp\_city" : "Pune", "emp\_salary" : 70000 }

{ "\_id" : 5, "emp\_name" : "Advait", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 85000 }

> db.emp\_info.aggregate([{$sort:{\_id:-1}}])

{ "\_id" : 5, "emp\_name" : "Advait", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 85000 }

{ "\_id" : 4, "emp\_name" : "Vijay", "emp\_age" : 25, "emp\_city" : "Pune", "emp\_salary" : 70000 }

{ "\_id" : 3, "emp\_name" : "Raj", "emp\_age" : 21, "emp\_city" : "Mumbai", "emp\_salary" : 40000 }

{ "\_id" : 2, "emp\_name" : "Rahul", "emp\_age" : 22, "emp\_city" : "Mumbai", "emp\_salary" : 50000 }

{ "\_id" : 1, "emp\_name" : "Bhavik", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 80000 }

>

> db.emp\_info.aggregate([{$match:{emp\_city:"Pune"}},{$limit:1}])

{ "\_id" : 1, "emp\_name" : "Bhavik", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 80000 }

> db.emp\_info.aggregate([{$match:{emp\_city:"Pune"}},{$skip:1}])

{ "\_id" : 4, "emp\_name" : "Vijay", "emp\_age" : 25, "emp\_city" : "Pune", "emp\_salary" : 70000 }

{ "\_id" : 5, "emp\_name" : "Advait", "emp\_age" : 20, "emp\_city" : "Pune", "emp\_salary" : 85000 }

>

> db.emp\_info.createIndex({emp\_name:1})

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 1,

"numIndexesAfter" : 2,

"ok" : 1

}

> db.emp\_info.ensureIndex({emp\_salary:1})

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 2,

"numIndexesAfter" : 3,

"ok" : 1

}

> db.emp\_info.getIndexes()

[

{

"v" : 2,

"key" : {

"\_id" : 1

},

"name" : "\_id\_"

},

{

"v" : 2,

"key" : {

"emp\_name" : 1

},

"name" : "emp\_name\_1"

},

{

"v" : 2,

"key" : {

"emp\_salary" : 1

},

"name" : "emp\_salary\_1"

}

]

>

> db.emp\_info.dropIndex({"emp\_name":1})

{ "nIndexesWas" : 3, "ok" : 1 }

> db.emp\_info.dropIndexes()

{

"nIndexesWas" : 2,

"msg" : "non-\_id indexes dropped for collection",

"ok" : 1

}

>