> db.student.find()

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ db.student.aggregate([{group:{\_id :"$Name"}},{$sort : {\_id :1}}])

uncaught exception: Error: command failed: {

"ok" : 0,

"errmsg" : "Unrecognized pipeline stage name: 'group'",

"code" : 40324,

"codeName" : "Location40324"

} with original command request: {

"aggregate" : "student",

"pipeline" : [

{

"group" : {

"\_id" : "$Name"

}

},

{

"$sort" : {

"\_id" : 1

}

}

],

"cursor" : {

},

"lsid" : {

"id" : UUID("7a7db552-2497-49ea-845e-33b58c36558b")

}

} on connection: connection to 127.0.0.1:27017 : aggregate failed :

\_getErrorWithCode@src/mongo/shell/utils.js:25:13

doassert@src/mongo/shell/assert.js:18:14

\_assertCommandWorked@src/mongo/shell/assert.js:719:17

assert.commandWorked@src/mongo/shell/assert.js:811:16

DB.prototype.\_runAggregate@src/mongo/shell/db.js:276:5

DBCollection.prototype.aggregate@src/mongo/shell/collection.js:1058:12

@(shell):1:1

> db.student.aggregate([{$group:{\_id :"$Name"}},{$sort : {\_id :1}}])

{ "\_id" : "Avani" }

{ "\_id" : "Kows" }

{ "\_id" : "Misha" }

{ "\_id" : "Naidile" }

{ "\_id" : "Vidisha" }

> db.student.find()

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834da"), "Name" : "Avani", "Rollno" : 123 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.student.aggregate([{$match:{Age:20}},{$group:{\_id:"$Name"}},{$avg:{"$Age"}])

...

... db.student.find()

...

...

> db.student.aggregate([{$match:{Age:20}},{$group:{\_id :"$Name",total:{$avg : "$Age"}}}])

{ "\_id" : "Misha", "total" : 20 }

{ "\_id" : "Naidile", "total" : 20 }

> db.employee.aggregate([{$match:{Age:{$gt:20}}},{$project:{\_id :1,Name:1,Rollno:1}}])

> db.employee.aggregate([{$match:{Age:{$gt:20}}},{$project:{\_id :0,Name:1,Rollno:1}}])

> db.student.find()

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834da"), "Name" : "Avani", "Rollno" : 123 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.employee.aggregate([{$match:{Age:{$gte:20}}},{$project:{\_id:"$Name"}}])

> db.employee.aggregate([{$match:{Age:{$gte:20}}},{$count:{\_id:"$Name"}}])

uncaught exception: Error: command failed: {

"ok" : 0,

"errmsg" : "the count field must be a non-empty string",

"code" : 40156,

"codeName" : "Location40156"

} with original command request: {

"aggregate" : "employee",

"pipeline" : [

{

"$match" : {

"Age" : {

"$gte" : 20

}

}

},

{

"$count" : {

"\_id" : "$Name"

}

}

],

"cursor" : {

},

"lsid" : {

"id" : UUID("7a7db552-2497-49ea-845e-33b58c36558b")

}

} on connection: connection to 127.0.0.1:27017 : aggregate failed :

\_getErrorWithCode@src/mongo/shell/utils.js:25:13

doassert@src/mongo/shell/assert.js:18:14

\_assertCommandWorked@src/mongo/shell/assert.js:719:17

assert.commandWorked@src/mongo/shell/assert.js:811:16

DB.prototype.\_runAggregate@src/mongo/shell/db.js:276:5

DBCollection.prototype.aggregate@src/mongo/shell/collection.js:1058:12

@(shell):1:1

> db.employee.aggregate([{$match:{Age:{$gte:20}}},{$count:{\_id:"$Age"}}])

uncaught exception: Error: command failed: {

"ok" : 0,

"errmsg" : "the count field must be a non-empty string",

"code" : 40156,

"codeName" : "Location40156"

} with original command request: {

"aggregate" : "employee",

"pipeline" : [

{

"$match" : {

"Age" : {

"$gte" : 20

}

}

},

{

"$count" : {

"\_id" : "$Age"

}

}

],

"cursor" : {

},

"lsid" : {

"id" : UUID("7a7db552-2497-49ea-845e-33b58c36558b")

}

} on connection: connection to 127.0.0.1:27017 : aggregate failed :

\_getErrorWithCode@src/mongo/shell/utils.js:25:13

doassert@src/mongo/shell/assert.js:18:14

\_assertCommandWorked@src/mongo/shell/assert.js:719:17

assert.commandWorked@src/mongo/shell/assert.js:811:16

DB.prototype.\_runAggregate@src/mongo/shell/db.js:276:5

DBCollection.prototype.aggregate@src/mongo/shell/collection.js:1058:12

@(shell):1:1

> db.student.aggregate([{$match:{Age:20}},{$group:{\_id :"$Name",total:{$min: "$Age"}}}])

{ "\_id" : "Misha", "total" : 20 }

{ "\_id" : "Naidile", "total" : 20 }

> db.student.aggregate([{$match:{Age:20}},{$group:{\_id :"$Name",total:{$max: "$Age"}}}])

{ "\_id" : "Misha", "total" : 20 }

{ "\_id" : "Naidile", "total" : 20 }

> db.student.aggregate([{$group:{\_id :"$Name",total:{$max: "$Age"}}}])

{ "\_id" : "Vidisha", "total" : 21 }

{ "\_id" : "Misha", "total" : 20 }

{ "\_id" : "Kows", "total" : 22 }

{ "\_id" : "Avani", "total" : null }

{ "\_id" : "Naidile", "total" : 20 }

> db.student.aggregate([{$group:{\_id :"$Rllno",total:{$max: "$Age"}}}])

{ "\_id" : null, "total" : 22 }

> db.student.aggregate([{$group:{\_id :"$Rollno",total:{$max: "$Age"}}}])

{ "\_id" : 158, "total" : 21 }

{ "\_id" : 132, "total" : 20 }

{ "\_id" : 144, "total" : 22 }

{ "\_id" : 165, "total" : 20 }

{ "\_id" : 123, "total" : null }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$max: "$Rollno"}}}])

{ "\_id" : 22, "total" : 144 }

{ "\_id" : null, "total" : 123 }

{ "\_id" : 21, "total" : 158 }

{ "\_id" : 20, "total" : 165 }

> db.student.find()

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834da"), "Name" : "Avani", "Rollno" : 123 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.student.deleteOne({Name :"Avani"})

{ "acknowledged" : true, "deletedCount" : 1 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$max: "$Rollno"}}}])

{ "\_id" : 22, "total" : 144 }

{ "\_id" : 21, "total" : 158 }

{ "\_id" : 20, "total" : 165 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$min: "$Rollno"}}}])

{ "\_id" : 22, "total" : 144 }

{ "\_id" : 21, "total" : 158 }

{ "\_id" : 20, "total" : 132 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$min: "$Age"}}}])

{ "\_id" : 22, "total" : 22 }

{ "\_id" : 21, "total" : 21 }

{ "\_id" : 20, "total" : 20 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$first: "$Age"}}}])

{ "\_id" : 20, "total" : 20 }

{ "\_id" : 22, "total" : 22 }

{ "\_id" : 21, "total" : 21 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$last: "$Age"}}}])

\{ "\_id" : 22, "total" : 22 }

{ "\_id" : 21, "total" : 21 }

{ "\_id" : 20, "total" : 20 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$sum: "$Rollno"}}}])

{ "\_id" : 20, "total" : 297 }

{ "\_id" : 22, "total" : 144 }

{ "\_id" : 21, "total" : 158 }

> db.student.aggregate([{'$sort': {'age': 1}}])

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.student.aggregate([{'$sort': {'age': -1}}])

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.student.aggregate([{$match:{Age:20}},{"$sort": {"Age': -1}},{$limit:1}])

uncaught exception: SyntaxError: "" literal not terminated before end of script :

@(shell):1:75

> db.student.aggregate([{$match:{Age:20}},{"$sort": {"Age": -1}},{$limit:1}])

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

> db.student.aggregate([{$match:{Age:20}},{"$sort": {"Rollno": -1}},{$limit:1}])

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

> db.student.aggregate([{$match:{Age:20}},{"$sort": {"Rollno": 1}},{$limit:1}])

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.student.aggregate([{"$sort": {"Rollno": 1}},{$limit:1}])

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> db.student.aggregate([{"$sort": {"Rollno": 1}},{$limit:3}])

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

> db.student.aggregate([{$group:{\_id :"$Age",total:{$avg: "$Rollno"}}}])

{ "\_id" : 20, "total" : 148.5 }

{ "\_id" : 21, "total" : 158 }

{ "\_id" : 22, "total" : 144 }

> db.student.find()

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> var mapfunction=function(){emit(this.Rollno,this.Age)}

> var reducefunction=function(key,values){return Array.sum(values)}

> db.student.mapReduce(mapfunction,reducefunction,{'out':'Result'})

{ "result" : "Result", "ok" : 1 }

> db.Result.find()

{ "\_id" : 158, "value" : 21 }

{ "\_id" : 132, "value" : 20 }

{ "\_id" : 144, "value" : 22 }

{ "\_id" : 165, "value" : 20 }

> db.student.find()

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b22"), "Name" : "Naidile", "Age" : 20, "Rollno" : 165 }

{ "\_id" : ObjectId("624bc0d88da19f669dbc0b23"), "Name" : "Vidisha", "Age" : 21, "Rollno" : 158 }

{ "\_id" : ObjectId("625502f7d9129dd7133834db"), "Name" : "Kows", "Age" : 22, "Rollno" : 144 }

{ "\_id" : ObjectId("625502f7d9129dd7133834dc"), "Name" : "Misha", "Age" : 20, "Rollno" : 132 }

> var mapfunction=function(){emit(this.Age,this.Rollno)}

> var reducefunction=function(key,values){return Array.sum(values)}

> db.student.mapReduce(mapfunction,reducefunction,{'out':'Result'})

{ "result" : "Result", "ok" : 1 }

> db.Result.find()

{ "\_id" : 20, "value" : 297 }

{ "\_id" : 22, "value" : 144 }

{ "\_id" : 21, "value" : 158 }

> var mapfunction=function(){emit(this.Age,this.Rollno)}

> var reducefunction=function(key,values){return Array.avg(values)}

> db.student.mapReduce(mapfunction,reducefunction,{'out':'Result'})

{ "result" : "Result", "ok" : 1 }

> db.Result.find()

{ "\_id" : 20, "value" : 148.5 }

{ "\_id" : 22, "value" : 144 }

{ "\_id" : 21, "value" : 158 }

>