

Command Prompt - mongo

```
> for(var i = 0; i <= 100; i++){
...
    db.indexing.insert( {
...
        Student_id : i,
...
        name : "sam"
...
    }
...
}
writeResult({ "nInserted" : 1 })
>
> db.indexing.find()
{ "_id" : ObjectId("5f994dfd514835b22f5cb99d"), "Student_id" : 0, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb99e"), "Student_id" : 1, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb99f"), "Student_id" : 2, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a0"), "Student_id" : 3, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a1"), "Student_id" : 4, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a2"), "Student_id" : 5, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a3"), "Student_id" : 6, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a4"), "Student_id" : 7, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a5"), "Student_id" : 8, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a6"), "Student_id" : 9, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a7"), "Student_id" : 10, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a8"), "Student_id" : 11, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9a9"), "Student_id" : 12, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9aa"), "Student_id" : 13, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9ab"), "Student_id" : 14, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9ac"), "Student_id" : 15, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9ad"), "Student_id" : 16, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9ae"), "Student_id" : 17, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9af"), "Student_id" : 18, "name" : "sam" }
{ "_id" : ObjectId("5f994dfd514835b22f5cb9b0"), "Student_id" : 19, "name" : "sam" }
type "it" for more
>
> db.indexing.ensureIndex( { "Student_id" : 1 } )
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
>
> db.indexing.find( { "Student_id" : 19 } )
{ "_id" : ObjectId("5f994dfd514835b22f5cb9b0"), "Student_id" : 19, "name" : "sam" }
```

Command Prompt - mongo

```
> db.bio.aggregate( { $group : { _id : "$Gender", MyResult : { $sum : 1 } } } )
{ "_id" : "Male", "MyResult" : 6 }
{ "_id" : "Female", "MyResult" : 3 }
>
> db.bio.aggregate( { $group : { _id : "$Gender", MaxiumAge : { $avg : "$age" } } } )
{ "_id" : "Male", "MaxiumAge" : 25 }
{ "_id" : "Female", "MaxiumAge" : 25 }
>
> db.bio.aggregate( { $group : { _id : "$Gender", MinimumAge : { $min : "$age" } } } )
{ "_id" : "Female", "MinimumAge" : 20 }
{ "_id" : "Male", "MinimumAge" : 15 }
>
> db.bio.aggregate( { $group : { _id : "$Gender", Average : { $min : "$age" } } } )
{ "_id" : "Female", "Average" : 20 }
{ "_id" : "Male", "Average" : 15 }
>
> db.bio.aggregate( { $group : { _id : "$Gender", FirstDocument : { $first : "$name" } } } )
{ "_id" : "Male", "FirstDocument" : "Pritesh" }
{ "_id" : "Female", "FirstDocument" : "Vaishnavi" }
>
> db.bio.aggregate( { $group : { _id : "$Gender", FirstDocument : { $last : "$name" } } } )
{ "_id" : "Female", "FirstDocument" : "Rutuja" }
{ "_id" : "Male", "FirstDocument" : "Maxwell" }
>
> db.bio.aggregate( { $group : { _id : "$Gender", MaxiumAge : { $avg : "$age" } } } )
{ "_id" : "Male", "MaxiumAge" : 25 }
{ "_id" : "Female", "MaxiumAge" : 25 }
>
> db.bio.aggregate( { $group : { _id : "$Gender", MaxiumAge : { $max : "$age" } } } )
{ "_id" : "Female", "MaxiumAge" : 35 }
{ "_id" : "Male", "MaxiumAge" : 45 }
```

```
> db.indexing.find()
{"_id" : ObjectId("5f994dfd514835b22f5cb99d"), "Student_id" : 0, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb99e"), "Student_id" : 1, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb99f"), "Student_id" : 2, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a0"), "Student_id" : 3, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a1"), "Student_id" : 4, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a2"), "Student_id" : 5, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a3"), "Student_id" : 6, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a4"), "Student_id" : 7, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a5"), "Student_id" : 8, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a6"), "Student_id" : 9, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a7"), "Student_id" : 10, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a8"), "Student_id" : 11, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9a9"), "Student_id" : 12, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9aa"), "Student_id" : 13, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9ab"), "Student_id" : 14, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9ac"), "Student_id" : 15, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9ad"), "Student_id" : 16, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9ae"), "Student_id" : 17, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9af"), "Student_id" : 18, "name" : "sam" }
{"_id" : ObjectId("5f994dfd514835b22f5cb9b0"), "Student_id" : 19, "name" : "sam" }
type "it" for more
```

```
> db.indexing.ensureIndex( { "Student_id" : 1 } )
```

```
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
```

```
> db.indexing.find({ "Student_id" : 19 })
{"_id" : ObjectId("5f994dfd514835b22f5cb9b0"), "Student_id" : 19, "name" : "sam" }
```

```
> db.indexing.dropIndex( { "Student_id" : 1 } )
{"nIndexesWas" : 2, "ok" : 1 }
```