MongoDB Assignment

Create Collection



Get Collection Name



Batch Create 100 Records in MongoDB

```
{} Playground Result ×
"acknowledged": true,
"insertedIds": {{
                   name: "Ivy", age: 45, city: "San Diego" },
name: "Jack", age: 38, city: "Atlanta" },
name: "Kenny", age: 60, city: "Seattle" },
                                                                                                                                                                                                                                                                                                                                                                                         "$oid": "67a4953fadf96e8e42a986b1"
                        name: "Remy, age: 00, City: Seattle f,
name: "Lily", age: 27, city: "Denver" },
name: "Megan", age: 33, city: "Washington D.C." },
name: "Nina", age: 24, city: "Phoenix" },
name: "Olivia", age: 41, city: "Miami" },
name: "Paul", age: 36, city: "Chicago" },
name: "Ouipry", age: 30 city: "Los Angeles" }
                                                                                                                                                                                                                                                                                                                                                                                        "$oid": "67a4953fadf96e8e42a986b2"
                { name: "Olivia", age: 41, city: "Miami" },
{ name: "Pault, age: 36, city: "Chicago" },
{ name: "Quincy", age: 30, city: "Los Angeles" },
{ name: "Rachel", age: 37, city: "Houston" },
{ name: "Steve", age: 47, city: "San Francisco" },
{ name: "Tina", age: 28, city: "New York" },
{ name: "Ursula", age: 32, city: "Boston" },
{ name: "Wendy", age: 50, city: "Dallas" },
{ name: "Wandy", age: 22, city: "Austin" },
{ name: "Xander", age: 40, city: "San Diego" },
{ name: "Yara", age: 26, city: "San Diego" },
{ name: "Aiden", age: 27, city: "New York" },
{ name: "Aiden", age: 27, city: "New York" },
{ name: "Bella", age: 33, city: "Washington D.C." },
{ name: "Bola", age: 29, city: "Dallas" },
{ name: "Fiona", age: 29, city: "San Francisco" },
{ name: "Fiona", age: 34, city: "Los Angeles" },
{ name: "Isaac", age: 34, city: "Los Angeles" },
{ name: "Jasmine", age: 26, city: "San Trancisco" },
{ name: "Isaac", age: 41, city: "Boston" },
{ name: "Jasmine", age: 26, city: "Atlanta" },
{ name: "Lena", age: 31, city: "Boston" },
{ name: "Kyle", age: 34, city: "Houston" },
{ name: "Lena", age: 31, city: "Bon Diego" },
{ name: "Mark", age: 34, city: "Dallas" },
{ name: "Nadia", age: 38, city: "Dallas" },
{ name: "Lena", age: 30, city: "San Diego
                                                                                                                                                                                                                                                                                                                                                                                        "$oid": "67a4953fadf96e8e42a986b4"
                                                                                                                                                                                                                                                                                                                                                                            },
"9": {
"$oid": "67a4953fadf96e8e42a986b7"
                                                                                                                                                                                                                                                                                                                                                                              },
"10": {
| "$oid": "67a4953fadf96e8e42a986b8"
                                                        "Nadia", age: 45, lity: "Pidellas" },
"Nadia", age: 38, city: "Dallas" },
"Owen", age: 32, city: "Seattle" },
"Penny", age: 29, city: "San Francisco" },
"Quinn", age: 33, city: "Los Angeles" },
"Reed", age: 40, city: "Chicago" },
                            name: "Nadia"
                                                                                                                                                                                                                                                                                                                                                                                     "soid": "67a4953fadf96e8e42a986bb"
                                                                                                                                                                                                                                                                                                                                                                               "14": {
                          name:
                                                                                                                                                                                                                                                                                                                                                                                       "$oid": "67a4953fadf96e8e42a986bc"
                                                             "Sophia", age: 25, city: "Miami" },
"Tony", age: 37, city: "San Diego"
                            name:
```

Batch Update Records with status= "Active" for those with age>30

Before Indexing (age)

Create Index on 3 fields - name, city, age

```
s db.my_collection.find( /home/dishita.tank@simform.dom/Deskt 🕨 📗 ··· {} Playground Result >
       ♦ Connected to firstcluster.bgrug.mongodb.net
                                                                             "queryPlanner": {
      db.my_collection.find(
                                                                             },
"executionStats": {
                age:{$gt:30}
                                                                               "nReturned": 71,
       ).explain("executionStats");
                                                                               "executionTimeMillis": 1,
                                                                               "totalKeysExamined": 71,
                                                                               "totalDocsExamined": 71,
                                                                               "executionStages": {
                                                                                 "isCached": false,
"stage": "FETCH",
                                                                                 "nReturned": 71,
                                                                                 "executionTimeMillisEstimate": 0,
                                                                                 "works": 72,
"advanced": 71,
"needTime": 0,
                                                                                 "needYield": 0,
                                                                                 "restoreState": 0,
                                                                                  "docsExamined": 71,
                                                                                  "alreadyHasObj": 0,
                                                                                  "inputStage": {
    "stage": "IXSCAN",
                                                                                    "nReturned": 71,
                                                                                    "executionTimeMillisEstimate": 0,
                                                                                    "needTime": 0,
                                                                                    "needYield": 0,
                                                                                    "saveState": 0,
                                                                                    "restoreState": 0,
                                                                                    "isEOF": 1,
                                                                                    "keyPattern": {
                                                                                      "age": 1
                                                                                    },
"indexName": "age_1",
"isMultiKey": false,
                                                                                    "multiKeyPaths": {
                                                                                      "age": []
                                                                                    },
"isUnique": false,
                                                                                    "isSparse": false,
                                                                                    "isPartial": false,
                                                                                    "indexVersion": 2,
"direction": "forward",
                                                                                    "indexBounds": {
                                                                                      "age": [
```

Finding Duplicate Values using Aggregation

```
♦ Connected to firstcluster.bgrug.mongodb.net
      db.my_collection.aggregate([
       "count": 2,
"name": "Grace"
                                                                             "count": 2,
"name": "Zane"
                                                                             "count": 2,
"name": "Kyle"
                                                                             "name": "Xander"
                                                                             "count": 3,
"name": "Ursula"
                                                                             "count": 2,
"name": "Jack"
                                                                             "name": "Quinn"
                                                                             "count": 2,
"name": "David"
                                                                             "count": 2,
"name": "Nina"
                                                                    36
                                                                             "count": 2,
                                                                             "name": "Yara"
                                                                             "count": 2,
"name": "Lena"
```