

# NoSQL-HandsOn1

## Alberta “Albi” Kovatcheva

### Part 1

1. Create three more users of your choosing, using the `insertOne()` query, and add them to the `appusers` collection.
  - Include at least the `firstName`, `lastName`, and `age` fields. Feel free to also include any other fields you think would be useful data for an app user.

```
db.appusers.insertOne({lastName:"Kovatcheva", firstName:"Albi", age:28, gender:"f",
favoriteColor:"purple"})
```

```
MongoDB Enterprise atlas-y1r8u5-shard-0:PRIMARY> db.appusers.insertOne({lastName:"Kovatcheva", firstName:"Albi", age:28, gender:"f", favoriteColor:"purple"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60ea042e11bd87136a01f566")
}
```

```
db.appusers.insertOne({lastName:"Chawla", firstName:"Michael", age:31, gender:"m"})
```

```
MongoDB Enterprise atlas-y1r8u5-shard-0:PRIMARY> db.appusers.insertOne({lastName:"Chawla", firstName:"Michael", age:31, gender:"m"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60ea047d11bd87136a01f567")
}
```

```
db.appusers.insertOne({lastName:"Kovatchev", firstName:"Stoyan", age:69, gender:"m",
hobby:"reading"})
```

```
MongoDB Enterprise atlas-y1r8u5-shard-0:PRIMARY> db.appusers.insertOne({lastName:"Kovatchev", firstName:"Stoyan", age:69, gender:"m", hobby:"reading"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60ea062011bd87136a01f568")
}
```

Three more users added to `appusers` collection:

<pre>&gt; { "_id": ObjectId("60ea042e11bd87136a01f566"),   "lastName": "Kovatcheva",   "firstName": "Albi",   "age": 28,   "gender": "f",   "favoriteColor": "purple" }</pre>
<pre>{ "_id": ObjectId("60ea047d11bd87136a01f567"),   "lastName": "Chawla",   "firstName": "Michael",   "age": 31,   "gender": "m" }</pre>
<pre>{ "_id": ObjectId("60ea062011bd87136a01f568"),   "lastName": "Kovatchev",   "firstName": "Stoyan",   "age": 69,   "gender": "m",   "hobby": "reading" }</pre>

2. Next, run a basic `find()` query to see all of your documents within your database through the Mongo Shell.

```
db.appusers.find({})
```

```
MongoDB Enterprise atlas-y1r8u5-shard-0:PRIMARY> db.appusers.find({})
{ "_id" : 1, "lastName" : "Pumpernickel", "firstName" : "Georgina", "middleName" : "Sasquatch", "age" : 27, "gender" : "f" }
{ "_id" : 2, "lastName" : "Wilson", "firstName" : "Coderboy", "age" : 18, "favoriteColor" : "blue" }
{ "_id" : ObjectId("60e9febd11bd87136a01f560"), "lastName" : "Anstruther", "firstName" : "Jimmy", "age" : 21 }
{ "_id" : ObjectId("60e9febd11bd87136a01f561"), "lastName" : "Stevens", "firstName" : "Amelia", "age" : 28 }
{ "_id" : ObjectId("60e9febd11bd87136a01f562"), "lastName" : "Hopkins", "firstName" : "Fred", "age" : 35, "favoriteColor" : "Green" }
{ "_id" : ObjectId("60ea042e11bd87136a01f566"), "lastName" : "Kovatcheva", "firstName" : "Albi", "age" : 28, "gender" : "f", "favoriteColor" : "purple" }
{ "_id" : ObjectId("60ea047d11bd87136a01f567"), "lastName" : "Chawla", "firstName" : "Michael", "age" : 31, "gender" : "m" }
{ "_id" : ObjectId("60ea062011bd87136a01f568"), "lastName" : "Kovatchev", "firstName" : "Stoyan", "age" : 69, "gender" : "m", "hobby" : "reading" }
```

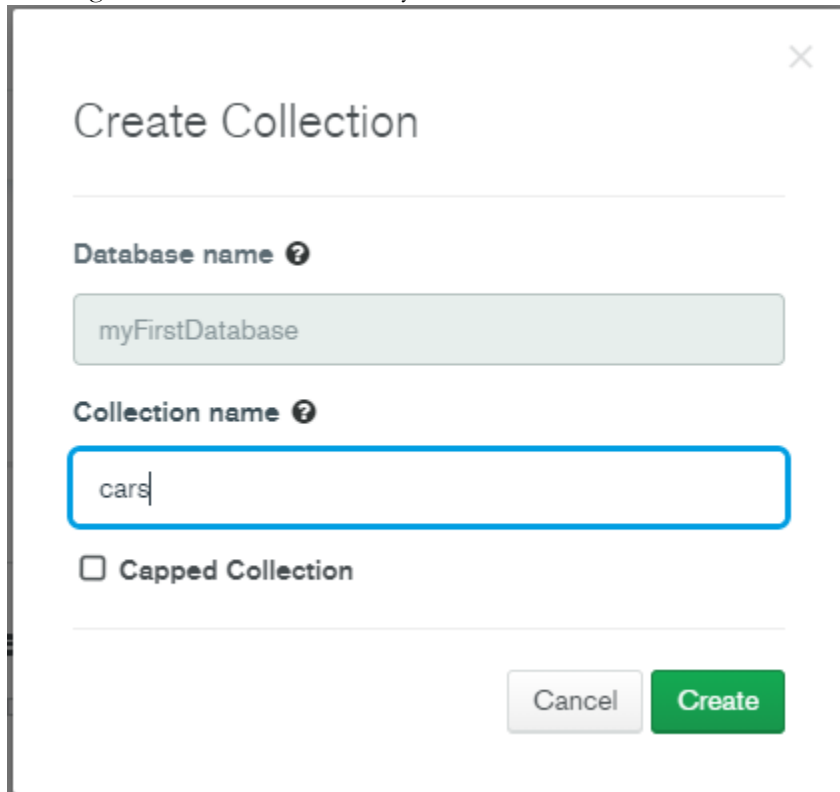
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### Part 2

1. Create a new collection within your database through Atlas. This new collection should be named cars.

Creating ‘cars’ collection within ‘myFirstDatabase’.



The screenshot shows the 'Create Collection' dialog box in MongoDB Atlas. It has a title bar with a close button (X). The main title is 'Create Collection'. Below it, there are two input fields: 'Database name' with a help icon and a dropdown menu showing 'myFirstDatabase', and 'Collection name' with a help icon and a text input field containing 'cars'. Below these fields is a checkbox labeled 'Capped Collection' which is currently unchecked. At the bottom right, there are two buttons: 'Cancel' and 'Create'.

‘cars’ collection added to ‘myFirstDatabase’.

myFirstDatabase		
DATABASE SIZE: 1.1KB   INDEX SIZE: 60KB   TOTAL COLLECTIONS: 3		
Collection Name	Documents	Documents Size
<a href="#">appusers</a>	8	811B
<a href="#">cars</a>	0	0B
<a href="#">movies</a>	3	315B

2. Insert five cars into this collection using the insertMany() query.

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- Include the following fields: make, model, color, year, fourDoor, and fourWheelDrive.
  - The last two fields, fourDoor and fourWheelDrive, should be of type Boolean (i.e. true or false).

```
db.cars.insertMany([{"make": "Toyota", "model": "Corolla", "color": "gold", "year": 2006, "fourDoor": true, "fourWheelDrive": true}, {"make": "Nissan", "model": "Versa", "color": "white", "year": 2012, "fourDoor": true, "fourWheelDrive": true}, {"make": "Tesla", "model": "Roadster", "color": "red", "year": 2022, "fourDoor": false, "fourWheelDrive": true}, {"make": "Lamborghini", "model": "Urus", "color": "yellow", "year": 2021, "fourDoor": true, "fourWheelDrive": true}, {"make": "Mercedes", "model": "AMG G63", "color": "white", "year": 2019, "fourDoor": true, "fourWheelDrive": true}])
```

```
MongoDB Enterprise atlas-v1r8u5-shard-0:PRIMARY> db.cars.insertMany([{"make": "Toyota", "model": "Corolla", "color": "gold", "year": 2006, "fourDoor": true, "fourWheelDrive": true}, {"make": "Nissan", "model": "Versa", "color": "white", "year": 2012, "fourDoor": true, "fourWheelDrive": true}, {"make": "Tesla", "model": "Roadster", "color": "red", "year": 2022, "fourDoor": false, "fourWheelDrive": true}, {"make": "Lamborghini", "model": "Urus", "color": "yellow", "year": 2021, "fourDoor": true, "fourWheelDrive": true}, {"make": "Mercedes", "model": "AMG G63", "color": "white", "year": 2019, "fourDoor": true, "fourWheelDrive": true}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("60ea154e2c25749797dfe7d4"),
    ObjectId("60ea154e2c25749797dfe7e0"),
    ObjectId("60ea154e2c25749797dfe7e1"),
    ObjectId("60ea154e2c25749797dfe7e2"),
    ObjectId("60ea154e2c25749797dfe7e3")
  ]
}
```

3. Once that is done, run a find() query to see your newly created documents.

```
db.cars.find({})
```

```
MongoDB Enterprise atlas-v1r8u5-shard-0:PRIMARY> db.cars.find({})
{ "_id" : ObjectId("60ea154e2c25749797dfe7d4"), "make" : "Toyota", "model" : "Corolla", "color" : "gold", "year" : 2006, "fourDoor" : true, "fourWheelDrive" : true }
{ "_id" : ObjectId("60ea154e2c25749797dfe7e0"), "make" : "Nissan", "model" : "Versa", "color" : "white", "year" : 2012, "fourDoor" : true, "fourWheelDrive" : true }
{ "_id" : ObjectId("60ea154e2c25749797dfe7e1"), "make" : "Tesla", "model" : "Roadster", "color" : "red", "year" : 2022, "fourDoor" : false, "fourWheelDrive" : true }
{ "_id" : ObjectId("60ea154e2c25749797dfe7e2"), "make" : "Lamborghini", "model" : "Urus", "color" : "yellow", "year" : 2021, "fourDoor" : true, "fourWheelDrive" : true }
{ "_id" : ObjectId("60ea154e2c25749797dfe7e3"), "make" : "Mercedes", "model" : "AMG G63", "color" : "white", "year" : 2019, "fourDoor" : true, "fourWheelDrive" : true }
```

4. Lastly, return to Atlas and view your collection and documents there.
- See next page.

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## Alberta “Albi” Kovatcheva

### QUERY RESULTS 1-5 OF 5

```
_id: ObjectId("60ea154e2c25749797dfe7df")
make: "Toyota"
model: "Corolla"
color: "gold"
year: 2006
fourDoor: true
fourWheelDrive: true
```

```
_id: ObjectId("60ea154e2c25749797dfe7e0")
make: "Nissan"
model: "Versa"
color: "white"
year: 2012
fourDoor: true
fourWheelDrive: true
```

```
_id: ObjectId("60ea154e2c25749797dfe7e1")
make: "Tesla"
model: "Roadster"
color: "red"
year: 2022
fourDoor: false
fourWheelDrive: true
```

```
_id: ObjectId("60ea154e2c25749797dfe7e2")
make: "Lamborghini"
model: "Urus"
color: "yellow"
year: 2021
fourDoor: true
fourWheelDrive: true
```

```
_id: ObjectId("60ea154e2c25749797dfe7e3")
make: "Mercedes"
model: "AMGG63"
color: "white"
year: 2019
fourDoor: true
fourWheelDrive: true
```