

Assignment 4 MongoDB

Due Date: March 5th, 2025 at 7:30 PM

Instructions: This assignment can either be handwritten or typed directly into this document. Assume that the database will be named “db”.

This assignment is worth **2%** of your grade.

1. List two advantages of using MongoDB.
 - A flexible schema means the devs do not have to create a fixed schema before data entry and can change the schema quickly as needed.
 - Built-in sharding as opposed to having to manually implement it as you would in an SQL database.
2. Write out the statement to create a collection called “customers”.

```
db.createCollection("customers");
```

3. Write out the statement to input the following values into the “customer” collection

name	address
Nate	123 Main Street
James	1834 South Charles
Tupac	222 Thugs Mansion Drive
Fred	5 Cavan Green Circle
Cassie	56 Riverside Avenue

```
db.customer.insertMany([
  { name: "Nate", address: "123 Main Street" },
  { name: "James", address: "1834 South Charles" },
  { name: "Tupac", address: "222 Thugs Mansion Drive" },
  { name: "Fred", address: "5 Cavan Green Circle" },
  { name: "Cassie", address: "56 Riverside Avenue" }
]);
```

4. Write out the statement to return the customer names in ascending order from the “customer” collection

```
db.customer.find({}, { name: 1, _id: 0 }).sort({ name: 1 });
```

5. Write out the statement to update Cassie's address from "56 Riverside Avenue" to "1244 William Street"

```
db.customer.updateOne(  
  { name: "Cassie", address: "56 Riverside Avenue" },  
  { $set: { address: "1244 William Street" } }  
);
```

6. Write out the statement to delete the customer collection

```
db.customer.drop();
```