**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.

1. Write out the statement to create a collection called “customers”.

db.createCollection("customers");

1. 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" }

]);

1. 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 });

1. 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" } }

);

1. Write out the statement to delete the customer collection

db.customer.drop();