**Assignment 6 MongoDB**

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**Due Date:** April 13th, 2020 at 7:00 PM

1. List two advantages of using MongoDB.

* **Very lightweight database with not a lot of setup to hook into Node.js**
* **All tables or collections are stored as JSON pairs and it is user defined.**

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

**var MongoClient = require (‘mongodb’).MongoClient;**

**var url = “mongodb://localhost:3000/Ass6”;**

**MongoClient.connect(url, function (err, db) {**

**If (err) throw err;**

**db.createCollection(“customers”, function(err, res){**

**If (err) {**

**Throw err;**

**}**

**console.log(“customers created”);**

**db.close();**

**});**

**});**

1. Define a variable called “inputCustomers” with the following data

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

**var inputCustomers = [**

**{ "name" : "Nate", "address" : "123 Main Streeet"},**

**{ "name" : "James", "address" : "1834 South Charles"},**

**{ "name" : "Tupac", "address" : "222 Thugs Mansion Drive"},**

**{ "name" : "Fred", "address" : "5 Caven Green Circle"},**

**{ "name" : "Cassie", "address" : "56 Riverside Avenue"}**

**]**

1. Write out the code to input “inputCustomers” into the “customer” collection

**db.collection(“customer”).insertMany(inputCustomers, function (err, res) {**

**if (err) {**

**throw err;**

**}**

**console.log(“customers added”);**

**db.close();**

**});**

1. Write out the code to return the customer names in ascending order from the “customer” collection

**db.collection(“customer”).find().sort(name: true).toArray( function (err, res) {**

**if (err) {**

**throw err;**

**}**

**console.log(res)**

**db.close();**

**});**

1. Write out the code to update Cassie’s address from “56 Riverside Avenue” to “1244 William Street”

**var keyQuery = {name: “ Cassie “};**

**var newValues = {name: “ Cassie “ , address: “1244 William Street” };**

**db.collection(“customer”).update(keyQuery, newValues, ( function (err, res) {**

**if (err) {**

**throw err;**

**}**

**console.log(“updated”)**

**db.close();**

**});**

1. Write out the code to delete the customer collection

**db.collection(“customer”).drop( function (err, deleteH) {**

**if (err) {**

**throw err;**

**}**

**If (deleteH) {**

**console.log(“collection deleted”)**

**}**

**db.close();**

**});**