Experiment 6: NoSQL Database using MongoDB

1. sudo service mongod start

mongo

**Create Statements:**

1. Create database by typing:

use mongodemo

show dbs

1. Insert some data into the table. the data is inserted into Collections or alternatively you can use db.createCollection(name, options).

db.inventory.insertMany([

{item: “journal”, qty: 25, status: “A”},

{item: “notebook”, qty: 50, status: “A”},

{item: “planner”, qty: 75, status: “D”},

{item: “postcard”, qty: 45, status: “D”}

]);

**Read Statements:**

1. To view data stored in the Collection:

db.inventory.find( {} )

**Specify Equality Condition:**

db.inventory.find( { status: “D” } )

**Specify Conditions Using Query Operators:**

db.inventory.find( { status: { $in: [ “A”, “D” ] } } )

**Specify AND as well as OR Conditions:**

db.inventory.find( {

status: “A”,

$or: [ { qty: { $lt:30 } }, { item: /^p/ } ]

} )

**Specify AND Conditions:**

db.inventory.find( { status: “A”, qty: { $lt: 30 } } )

**Specify OR Conditions:**

db.inventory.find( {

$or: [ { status: “A” }, { qty: {$lt: 30} } ]

} )

**Update Statements:**

1. To update a record in the Collection:

db.inventory.updateOne(

{ item: “paper” },

{

$set: { status: “P” },

$currentDate: { lastModified: true }

}

)

db.inventory.find( {} )

**Delete Statements:**

1. To delete a record from the Collection:

db.inventory.deleteMany({ status : “A” })