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| MY Health CODE |
| MongoDB Document |
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| **My Health Code Team** |
| **3/17/2015** |

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| This documents serves as a reference for basic mongoDB related commands and related information. Please keep updating the document with any of your findings that can help the team. |

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# Create Collections

db.createCollection("Personal\_Details")

"ok" : 1 }

db.createCollection("Login\_Details")

"ok" : 1 }

db.createCollection("Health\_Unit\_Details")

"ok" : 1 }

db.createCollection("Doctor\_Details")

"ok" : 1 }

db.createCollection("Doctor\_Specialization")

"ok" : 1 }

db.createCollection("Visit\_Entry\_Details")

"ok" : 1 }

db.createCollection("Visit\_Diagnostic\_Suggestions")

"ok" : 1 }

db.createCollection("Visti\_Diagnostic\_Reports")

"ok" : 1 }

db.createCollection("Visit\_Medicine\_Suggestions")

"ok" : 1 }

db.createCollection("Group\_Personal\_Mapping")

"ok" : 1 }

db.createCollection("Insurance\_Org\_Details")

"ok" : 1 }

db.createCollection("Personal\_Insurance\_Mapping")

"ok" : 1 }

# Insert Records/Documents into Collection

**Insert record 1**

*> db.Person\_Details.insert([*

*... {*

*... name: 'Rama',*

*... age: 31,*

*... gender: 'Male',*

*... healthCode: '0101',*

*... mobile: '9963481050',*

*... email: 'rama.vadlamudi@gmail.com',*

*... address: [*

*... {*

*... address1:'plot#',*

*... address2: 'Gajularamaram',*

*... city: 'Hyderabad',*

*... state: 'Telangana',*

*... country: 'India',*

*... pin: '500055'*

*... }*

*... ],*

*... login: [{*

*... healthCode: '0101',*

*... mobile: '9963481050',*

*... email: 'rama.vadlamudi@gmail.com',*

*... password: 'xxxxxx'*

*... }*

*... ]*

*... }*

*... ])*

*BulkWriteResult({*

*"writeErrors" : [ ],*

*"writeConcernErrors" : [ ],*

*"nInserted" : 1,*

*"nUpserted" : 0,*

*"nMatched" : 0,*

*"nModified" : 0,*

*"nRemoved" : 0,*

*"upserted" : [ ]*

*})*

**Insert record 2**

*> db.PersonCollection.insert([*

*... {*

*... name: 'Parvath',*

*... age: 32,*

*... gender: 'Male',*

*... healthCode: '0102',*

*... mobile: '9849679463',*

*... email: 'parvath.bingi@gmail.com',*

*... address: [*

*... {*

*... address1:'plot#',*

*... address2: 'LB Nagar',*

*... city: 'Hyderabad',*

*... state: 'Telangana',*

*... country: 'India',*

*... pin: '500074'*

*... }*

*... ],*

*... login: [{*

*... healthCode: '0102',*

*... mobile: '9849679463',*

*... email: 'parvath.bingi@gmail.com',*

*... password: 'xxxxxx'*

*... }*

*... ]*

*... }*

*... ])*

*BulkWriteResult({*

*"writeErrors" : [ ],*

*"writeConcernErrors" : [ ],*

*"nInserted" : 1,*

*"nUpserted" : 0,*

*"nMatched" : 0,*

*"nModified" : 0,*

*"nRemoved" : 0,*

*"upserted" : [ ]*

*})*

# Query a record

## Query by “name”

*> db.PersonCollection.find({"name":"Parvath"}).pretty()*

*{*

*"\_id" : ObjectId("550867049ebef981565385ce"),*

*"name" : "Parvath",*

*"age" : 32,*

*"gender" : "Male",*

*"healthCode" : "0102",*

*"mobile" : "9849679463",*

*"email" : "parvath.bingi@gmail.com",*

*"address" : [*

*{*

*"address1" : "plot#",*

*"address2" : "LB Nagar",*

*"city" : "Hyderabad",*

*"state" : "Telangana",*

*"country" : "India",*

*"pin" : "500074"*

*}*

*],*

*"login" : [*

*{*

*"healthCode" : "0102",*

*"mobile" : "9849679463",*

*"email" : "parvath.bingi@gmail.com",*

*"password" : "xxxxxx"*

*}*

*]*

*}*

*>*

## Query by ‘Health Code’

*> db.PersonCollection.find({"healthCode":"0101"}).pretty()*

*{*

*"\_id" : ObjectId("550866109ebef981565385cd"),*

*"name" : "Rama",*

*"age" : 31,*

*"gender" : "Male",*

*"healthCode" : "0101",*

*"mobile" : "9963481050",*

*"email" : "rama.vadlamudi@gmail.com",*

*"address" : [*

*{*

*"address1" : "plot#",*

*"address2" : "Gajularamaram",*

*"city" : "Hyderabad",*

*"state" : "Telangana",*

*"country" : "India",*

*"pin" : "500055"*

*}*

*],*

*"login" : [*

*{*

*"healthCode" : "0101",*

*"mobile" : "9963481050",*

*"email" : "rama.vadlamudi@gmail.com",*

*"password" : "xxxxxx"*

*}*

*]*

*}*

## Connecting Using Java Code

Download the MongoDB jar from <http://docs.mongodb.org/ecosystem/drivers/java/>

Here is the sample code to connect to the Mongo DB:

import com.mongodb.MongoClient;

import com.mongodb.MongoException;

import com.mongodb.WriteConcern;

import com.mongodb.DB;

import com.mongodb.DBCollection;

import com.mongodb.BasicDBObject;

import com.mongodb.DBObject;

import com.mongodb.DBCursor;

import com.mongodb.ServerAddress;

import java.util.Arrays;

public class MongoDBJDBC{

public static void main( String args[] ){

try{

// To connect to mongodb server

MongoClient mongoClient = new MongoClient( "localhost" , 27017 );

// Now connect to your databases

DB db = mongoClient.getDB( "test" );

System.out.println("Connect to database successfully");

boolean auth = db.authenticate(myUserName, myPassword);

System.out.println("Authentication: "+auth);

}catch(Exception e){

System.err.println( e.getClass().getName() + ": " + e.getMessage() );

}

}

}