**JAVA CODE TO CONNECT TO MONGODB DATABASE**

import com.mongodb.client.MongoDatabase;

import com.mongodb.MongoClient;

import com.mongodb.MongoCredential;

public class ConnectToDB {

public static void main( String args[] ) {

// Creating a Mongo client

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

// Creating Credentials

MongoCredential credential;

credential = MongoCredential.createCredential("sampleUser", "myDb",

"password".toCharArray());

System.out.println("Connected to the database successfully");

// Accessing the database

MongoDatabase database = mongo.getDatabase("myDb");

System.out.println("Credentials ::"+ credential);

}

}

OUTPUT:

Connected to the database successfully

Credentials ::MongoCredential{

mechanism = null,

userName = 'sampleUser',

source = 'myDb',

password = <hidden>,

mechanismProperties = {}

}

**JAVA CODE TO CREATE COLLECTION**

import com.mongodb.client.MongoDatabase;

import com.mongodb.MongoClient;

import com.mongodb.MongoCredential;

public class CreatingCollection {

public static void main( String args[] ) {

// Creating a Mongo client

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

// Creating Credentials

MongoCredential credential;

credential = MongoCredential.createCredential("sampleUser", "myDb",

"password".toCharArray());

System.out.println("Connected to the database successfully");

//Accessing the database

MongoDatabase database = mongo.getDatabase("myDb");

//Creating a collection

database.createCollection("sampleCollection");

System.out.println("Collection created successfully");

}

}

**JAVA CODE FOR GETTING/SELECTING A COLLECTION**

import com.mongodb.client.MongoCollection;

import com.mongodb.client.MongoDatabase;

import org.bson.Document;

import com.mongodb.MongoClient;

import com.mongodb.MongoCredential;

public class selectingCollection {

public static void main( String args[] ) {

// Creating a Mongo client

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

// Creating Credentials

MongoCredential credential;

credential = MongoCredential.createCredential("sampleUser", "myDb",

"password".toCharArray());

System.out.println("Connected to the database successfully");

// Accessing the database

MongoDatabase database = mongo.getDatabase("myDb");

// Creating a collection

System.out.println("Collection created successfully");

// Retrieving a collection

MongoCollection<Document> collection = database.getCollection("myCollection");

System.out.println("Collection myCollection selected successfully");

}

}

**JAVA CODE FOR INSERTING A DOCUMENT**

import com.mongodb.client.MongoCollection;

import com.mongodb.client.MongoDatabase;

import org.bson.Document;

import com.mongodb.MongoClient;

public class InsertingDocument {

public static void main( String args[] ) {

// Creating a Mongo client

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

// Accessing the database

MongoDatabase database = mongo.getDatabase("myDb");

// Creating a collection

database.createCollection("sampleCollection");

System.out.println("Collection created successfully");

// Retrieving a collection

MongoCollection<Document> collection = database.getCollection("sampleCollection");

System.out.println("Collection sampleCollection selected successfully");

Document document = new Document("title", "MongoDB")

.append("description", "database")

.append("likes", 100)

.append("url", "http://www.tutorialspoint.com/mongodb/")

.append("by", "tutorials point");

//Inserting document into the collection

collection.insertOne(document);

System.out.println("Document inserted successfully");

}

OUTPUT:

Connected to the database successfully

Collection sampleCollection selected successfully

Document inserted successfully