package connection;

import org.bson.Document;

import com.mongodb.client.MongoClient;

import com.mongodb.client.MongoClients;

import com.mongodb.client.MongoCollection;

import com.mongodb.client.MongoDatabase;

import com.mongodb.client.MongoIterable;

public class MongoDBConnection {

public static void main(String[] args) {

// Creating a Mongo client

MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");

MongoDatabase database = mongoClient.getDatabase("wednesday123");

database.createCollection("employeeRecord");

// Retrieving a collection

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

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

//Inserting document into the collection

collection.insertOne(document);

MongoIterable<String> loop1 = mongoClient.listDatabaseNames();

for (String name : loop1) {

System.out.println(name);

}

}

}

//inserting documents

import java.util.ArrayList;

import java.util.List;

import org.bson.Document;

import com.mongodb.client.MongoClient;

import com.mongodb.client.MongoClients;

import com.mongodb.client.MongoCollection;

import com.mongodb.client.MongoDatabase;

public class Tester {

public static void main(String[] args) {

// Creating a Mongo client

MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");

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

// Get the collection

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

Document document = new Document("First\_Name", "Satish")

.append("Last\_Name", "Nukala")

.append("Date\_Of\_Birth", "1977-12-09")

.append("e\_mail", "satishkumar09@gmail.com")

.append("phone", "9848081289");

collection.insertOne(document);

List<Document> documents = new ArrayList<>();

documents.add(new Document("First\_Name", "Surekha")

.append("Last\_Name", "Varma")

.append("Date\_Of\_Birth", "1981-09-24")

.append("e\_mail", "surekhavarma08@gmail.com")

.append("phone", "9848081289"));

documents.add(new Document("First\_Name", "Rachel")

.append("Last\_Name", "Christopher")

.append("Date\_Of\_Birth", "1990-02-16")

.append("e\_mail", "RachelChristopher02@gmail.com")

.append("phone", "9848081289"));

documents.add(new Document("First\_Name", "khatija")

.append("Last\_Name", "Shaik")

.append("Date\_Of\_Birth", "1990-02-16")

.append("e\_mail", "FathimaSheik04@gmail.com")

.append("phone", "9848081289"));

collection.insertMany(documents);

System.out.println("Documents inserted.");

}

}

//retrieving documents

public class Tester {

public static void main(String[] args) {

// Creating a Mongo client

MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");

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

// Get the collection

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

FindIterable<Document> allDocuments = collection.find();

for(Document document:allDocuments){

System.out.println(document);

}

System.out.println("\*\*\*Selected Document\*\*\*");

FindIterable<Document> documents=collection.find(Filters.eq("First\_Name","Satish"));

for(Document document:documents){

System.out.println(document);

}

}

}

//updating documents

public class Tester {

public static void main(String[] args) {

// Creating a Mongo client

MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");

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

// Get the collection

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

collection.updateOne(Filters.eq("First\_Name","Satish"), Updates.set("e\_mail","satishkumar09@gmail.com"));

//update many

collection.updateMany(

Filters.eq("Date\_Of\_Birth", "1977-12-09"),

Updates.set("phone", "8888888888")

);

System.out.println("Document Updated");

System.out.println("\*\*\*Updated Document\*\*\*");

FindIterable<Document> documents=collection.find();

for(Document document:documents){

System.out.println(document);

}

}

}