package connection;

import org.bson.Document;

import com.mongodb.client.\*;

public class MongoDB {

public static void main(String[] args) {

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

MongoDatabase database = mongoClient.getDatabase("monday123");

database.createCollection("employeeRecord");

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

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

collection.insertOne(doc);

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

for (String name : databaseNames) {

System.out.println(name);

}

}

}

--------------------

package connection;

import org.bson.Document;

import com.mongodb.client.\*;

public class DropCollection {

public static void main(String[] args) {

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

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

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

collection.drop();

System.out.println("Collection 'sampleCollection' dropped.");

}

}

--------------------

package connection;

import org.bson.Document;

import com.mongodb.client.\*;

public class IterateCollections {

public static void main(String[] args) {

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

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

MongoIterable<String> collections = database.listCollectionNames();

for (String name : collections) {

System.out.println(name);

}

}

}

--------------------

package connection;

import org.bson.Document;

import com.mongodb.client.\*;

import java.util.\*;

public class InsertDocument {

public static void main(String[] args) {

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

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

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

Document doc1 = new Document("First\_Name", "Mahesh")

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

.append("Date\_Of\_Birth", "1990-08-21")

.append("e\_mail", "mahesh\_parashar.123@gmail.com")

.append("phone", "9034343345");

collection.insertOne(doc1);

List<Document> people = Arrays.asList(

new Document("First\_Name", "Radhika")

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

.append("Date\_Of\_Birth", "1995-09-26")

.append("e\_mail", "radhika\_sharma.123@gmail.com")

.append("phone", "9000012345"),

new Document("First\_Name", "Rachel")

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

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

.append("e\_mail", "Rachel\_Christopher.123@gmail.com")

.append("phone", "9000054321"),

new Document("First\_Name", "Fathima")

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

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

.append("e\_mail", "Fathima\_Sheik.123@gmail.com")

.append("phone", "9000054321")

);

collection.insertMany(people);

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

}

}

--------------------

package connection;

import org.bson.Document;

import com.mongodb.client.\*;

import com.mongodb.client.model.Filters;

public class RetrieveData {

public static void main(String[] args) {

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

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

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

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

for (Document doc : allDocs) {

System.out.println(doc.toJson());

}

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

for (Document doc : filteredDocs) {

System.out.println(doc.toJson());

}

}

}