**CREATING COLLECTION**

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 MongoDB\_CreatingCollection {

public static void main(String[] args) {

// Creating a Mongo client

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

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

database.createCollection("vitap");

//Retrieving a collection

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

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

//Inserting document into collection

collection.insertOne(document);

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

for (String name : loop1) {

System.out.println(name);

}

}

}

**DROPPING COLLECTION**

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 MongoDB\_DroppingCollection {

public static void main(String[] args) {

// Creating a Mongo client

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

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

database.createCollection("dummyCollection");

//Retrieving a collection

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

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

//Inserting document into collection

collection.drop();

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

for (String name : loop1) {

System.out.println(name);

}

}

}

**PRINTING COLLECTIONS**

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 MongoDB\_PrintingCollection {

public static void main(String[] args) {

// Creating a Mongo client

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

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

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

for (String name : collections) {

System.out.println(name);

}

}

}

**INSERTING DOCUMENTS**

package connection;

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 MongoDB\_InsertingDocuments {

public static void main(String[] args) {

// Creating a Mongo client

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

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

// Get the collection

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

Document document = 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(document);

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

documents.add(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"));

documents.add(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"));

documents.add(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(documents);

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

}

}

**RETREIVING DOCUMENTS AND SELECTING PARTICULAR DOCUMENT**

package connection;

import org.bson.Document;

import com.mongodb.client.FindIterable;

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;

import com.mongodb.client.model.Filters;

public class MongoDB\_RetreivingDocs {

public static void main(String[] args) {

// Creating a Mongo client

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

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

//Retrieving a collection

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

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

for(Document document : alldocuments){

System.out.println(document);

}

System.out.println("Selecting a particular document");

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

for(Document document : selectedDoc){

System.out.println(document);

}

}

}

**UPDATE MANY**

package connection;

import org.bson.Document;

import com.mongodb.client.FindIterable;

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;

import com.mongodb.client.model.Filters;

import com.mongodb.client.model.Updates;

public class MongoDB\_UpdateMany {

public static void main(String[] args) {

// Creating a Mongo client

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

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

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

collection.updateMany(Filters.eq("First\_Name","Mahesh"),

Updates.combine(

Updates.set("e\_mail", "maheshbabu@gmail.com"),

Updates.set("Last\_Name", "Babu")));

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

for(Document document : alldocuments){

System.out.println(document);

}

}

}