**09-06-2025**

**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 {

**public** **static** **void** main(String[] args) {

// Connect to MongoDB server

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

// Get database

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

// Create collection (this will throw if it already exists)

database.createCollection("employeeRecord");

// Fix: assign collection using '=' not '+'

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

// Create and insert a document

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

collection.insertOne(document);

// Print database names

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

**for** (String name : loop1) {

System.***out***.println(name);

}

mongoClient.close();

}

}

**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 {

**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", "Arjun")

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

.append("Date\_Of\_Birth", "1991-04-12")

.append("e\_mail", "arjun.mehta92@mailzone.com")

.append("phone", "9012345678");

collection.insertOne(document)

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

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

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

.append("Date\_Of\_Birth", "1993-06-21")

.append("e\_mail", "divya.nair93@mailzone.com")

.append("phone", "9023456789"));

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

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

.append("Date\_Of\_Birth", "1989-12-08")

.append("e\_mail", "kabir.singh89@mailzone.com")

.append("phone", "9034567890"));

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

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

.append("Date\_Of\_Birth", "1995-11-17")

.append("e\_mail", "zara.khan95@mailzone.com")

.append("phone", "9045678901"));

collection.insertMany(documents);

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

mongoClient.close();

}

}

**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 {

**public** **static** **void** main(String[] args) {

// Connect to MongoDB server

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

// Get database

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

// Fix: assign collection using '=' not '+'

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

//Find All Documnets

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

**for**(Document document:allDocuments) {

System.***out***.println(document);

}

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

//Select a particular document

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

**for**(Document document:documents) {

System.***out***.println(document);

}

mongoClient.close();

}

}

**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.model.Filters;

**import** com.mongodb.client.model.Updates;

**public** **class** MongoDB {

**public** **static** **void** main(String[] args) {

// Connect to MongoDB server

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

// Get database and collection

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

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

// Update a document

collection.updateOne(

Filters.*eq*("First\_Name", "Arjun"),

Updates.*set*("e\_mail", "arjun.mehta\_updated@mailzone.com")

);

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

System.***out***.println("=== Updated Document ===")

// Find and display the updated document

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

**for** (Document doc : documents) {

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

}

mongoClient.close();

}

}

**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 {

**public** **static** **void** main(String[] args) {

// Connect to MongoDB server

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

// Get database

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

// Access collection

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

// Update all matching documents

collection.updateMany(

Filters.*eq*("First\_Name", "Mahesh"),

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

);

System.***out***.println("Documents Updated.");

System.***out***.println("\*\*\* Updated Documents \*\*\*")

// Retrieve and print updated documents

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

**for** (Document document : documents) {

System.***out***.println(document.toJson());

}

mongoClient.close();

}

}