Java

Pom.xml

<dependencies>

<dependency>

<groupId>org.mongodb</groupId>

<artifactId>mongodb-driver-sync</artifactId>

<version>4.9.1</version> <!-- Use the latest version if available -->

</dependency>

</dependencies>

package model;

import com.mongodb.client.\*;

import org.bson.Document;

public class MongoCRUD {

public static void main(String[] args) {

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

MongoDatabase database = mongoClient.getDatabase("db41");

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

// CREATE

Document newDoc = new Document("name", "John").append("age", 25).append("city", "Chicago");

collection.insertOne(newDoc);

System.out.println("Inserted: " + newDoc.toJson());

// READ

Document found = collection.find(new Document("name", "John")).first();

System.out.println("Found: " + (found != null ? found.toJson() : "No document"));

// UPDATE

collection.updateOne(new Document("name", "John"), new Document("$set", new Document("age", 28)));

System.out.println("Updated age for 'John'.");

// DELETE

collection.deleteOne(new Document("name", "John"));

System.out.println("Deleted 'John'.");

} catch (Exception e) {

e.printStackTrace();

}

}

}

Python

from pymongo import MongoClient

# Connect to MongoDB

client = MongoClient('mongodb://localhost:27017/')

db = client['models'] # Replace with your database name

collection = db['examples'] # Replace with your collection name

# CREATE: Insert a document

collection.insert\_one({"name": "John Doe", "age": 30, "city": "New York"})

# READ: Find the inserted document

document = collection.find\_one({"name": "John Doe"})

print("Found:", document)

# UPDATE: Update the document

collection.update\_one({"name": "John Doe"}, {"$set": {"age": 31}})

# READ After Update: Find the updated document

updated\_document = collection.find\_one({"name": "John Doe"})

print("Updated:", updated\_document)

# DELETE: Delete the document

collection.delete\_one({"name": "John Doe"})

# READ After Delete: Try to find the deleted document

deleted\_document = collection.find\_one({"name": "John Doe"})

print("After Deletion:", deleted\_document) # This should print None