Roll No :13128

import com.mongodb.client.\*;

import org.bson.Document;

import java.util.Scanner;

public class MongoDBCrud {

public static void main(String[] args) {

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

MongoDatabase db = client.getDatabase("testdb");

MongoCollection<Document> collection = db.getCollection("users");

Scanner sc = new Scanner(System.in);

int choice;

do {

System.out.println("1.Add 2.View 3.Edit 4.Delete 5.Exit");

choice = sc.nextInt();

sc.nextLine();

switch (choice) {

case 1:

System.out.print("Enter ID: ");

int id = sc.nextInt();

sc.nextLine();

System.out.print("Enter Name: ");

String name = sc.nextLine();

Document doc = new Document("id", id).append("name", name);

collection.insertOne(doc);

break;

case 2:

MongoCursor<Document> cursor = collection.find().iterator();

while (cursor.hasNext()) System.out.println(cursor.next().toJson());

cursor.close();

break;

case 3:

System.out.print("Enter ID to edit: ");

int editId = sc.nextInt();

sc.nextLine();

System.out.print("Enter New Name: ");

String newName = sc.nextLine();

collection.updateOne(new Document("id", editId), new Document("$set", new Document("name", newName)));

break;

case 4:

System.out.print("Enter ID to delete: ");

int delId = sc.nextInt();

sc.nextLine();

collection.deleteOne(new Document("id", delId));

break;

case 5:

System.out.println("Exiting...");

break;

default:

System.out.println("Invalid choice");

}

} while (choice != 5);

client.close();

}

}