**//** package connection should be in every code at starting

**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.FindIterable;

**import** org.bson.conversions.Bson;

**import** **static** com.mongodb.client.model.Sorts.*descending*;

**public** **class** Tester {

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

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

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

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

Bson sort = *descending*("First\_Name");

FindIterable<Document> documents = collection.find().sort(sort);

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

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

}

}

}

//import org.bson.Document;

//import org.bson.types.ObjectId;

//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;

//

//public class Tester {

// 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");

// // Find all documents

// collection.deleteOne(Filters.eq("item","Cappuccino"));

// collection.deleteMany(Filters.eq("item", "Cappuccino"));

// System.out.println("Document deleted.");

// System.out.println("\*\*\*Documents\*\*\*");

// mongoClient.close();

// }

//}

//

//

//

//import org.bson.Document;

//import org.bson.types.ObjectId;

//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;

//

//public class Tester {

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

// // Creating a Mongo client

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

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

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

//

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

//

// for (Document document : allDocuments) {

// ObjectId id = document.getObjectId("\_id");

// // Extract the last character of the hex string of ObjectId

// char lastChar = id.toHexString().charAt(23);

// int lastDigit = Character.digit(lastChar, 16); // base 16

//

// if (lastDigit % 2 == 0) {

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

// }

// }

//

// mongoClient.close();

// }

//}

//

//

//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 Tester {

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

// // Creating a Mongo client

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

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

//

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

//

// FindIterable<Document> documents = collection.find().skip(3);

//

// for(Document document : documents){

// System.out.println(document);

// }

// }

//}

//

//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 Tester {

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

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

// // Get the database

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

//

// // Get the collection

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

//

// // Insert single document

// 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);

//

// // Insert multiple documents

// 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 successfully!");

//

// } catch (Exception e) {

// System.err.println("Error occurred: " + e.getMessage());

// e.printStackTrace();

// }

// }

//}

import java.util.ArrayList;

import java.util.Collections;

import java.util.List;

public class SortAsc {

public static void main(String[] args) {

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

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

// Get the collection

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

// Retrieve the documents and store them in a list

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

for (Document doc : collection.find()) {

documentList.add(doc);

}

// Sort documents in descending order by pice

Collections.sort(documentList, (doc1, doc2) -> {

Double price1 = doc1.getDouble("price");

Double price2 = doc2.getDouble("price");

return price2.compareTo(price1); // Descending order

// for ascending order: return price1.compareTo(price2);

});

// Printing

for (Document doc : documentList) {

System.out.println("Sorted Document: " + doc);

}

}

}