22BPS1217

//delete

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.BasicDBObject;

public class MongoDBConnection {

public static void main(String[] args) {

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

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

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

System.out.println("\*\*\*Descending Order\*\*\*");

FindIterable<Document> documents = collection.find().sort(new BasicDBObject("First name",-1));

for (Document document : documents) {

System.out.println(document);

}

}

}

//price between 700 and 900

A screenshot of a computer program

AI-generated content may be incorrect.

**package** connection;

**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.Document;

**public** **class** MongoDBConnection {

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

// Connect to MongoDB

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

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

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

Document price=**new** Document("price",**new** Document("$gte",700).append("$lte",900));

System.***out***.println("\*\*\* Documents with price between 700 and 900 \*\*\*");

FindIterable<Document> Docs = collection.find(price);

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

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

}

}

}

//average

A screen shot of a computer

AI-generated content may be incorrect.

//average

package connection;

import java.util.Arrays;

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.AggregateIterable;

public class MongoDBConnection {

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");

AggregateIterable<Document> result=collection.aggregate(Arrays.asList(new Document("$group",new Document("\_id",null).append("averagePrice",new Document("$avg","$price")))));

for(Document doc:result){

System.out.println("Average Price:"+doc.get("averagePrice"));

}

}

}

//max price for each item

A screen shot of a computer

AI-generated content may be incorrect.

**package** connection;

**import** java.util.Arrays;

**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.AggregateIterable;

**public** **class** MongoDBConnection {

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

// Creating a Mongo client

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

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

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

AggregateIterable<Document> result=collection.aggregate(Arrays.*asList*(**new** Document("$group",**new** Document("\_id","$item").append("maxPrice",**new** Document("$max","$price")))));

System.***out***.println("Max price per item");

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

System.***out***.println("item"+doc.getString("\_id")+"| Max Price: "+doc.get("maxPrice"));

}

}

}