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**MONGODB CONNECTION:**

**DELETE ONE:**

**package** connection;

**import** com.mongodb.client.MongoClient;

**import** com.mongodb.client.MongoClients;

**import** com.mongodb.client.MongoDatabase;

**import** com.mongodb.client.MongoCollection;

**import** com.mongodb.client.FindIterable;

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

**import** org.bson.Document;

**public** **class** DeleteOne {

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

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

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

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

collection.deleteOne(Filters.*eq*("name", "xPhone"));

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

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

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

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

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

}

mongoClient.close();

}

}

**DELETE MANY:**

**package** connection;

**import** com.mongodb.client.MongoClient;

**import** com.mongodb.client.MongoClients;

**import** com.mongodb.client.MongoDatabase;

**import** com.mongodb.client.MongoCollection;

**import** com.mongodb.client.FindIterable;

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

**import** org.bson.Document;

**public** **class** DeleteManyCappuccino {

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

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

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

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

**long** deletedCount = collection.deleteMany(Filters.eq("item", "Cappuccino")).getDeletedCount();

System.out.println(deletedCount + " document(s) deleted.");

System.out.println("Remaining documents:");

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

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

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

}

mongoClient.close();

}

}

**TWO DOCUMENTS FETCH:**

**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** 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");

FindIterable<Document> allDocuments = collection.find().limit(2);

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

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

}

mongoClient.close();

}

}

**PRINT 2,3,4 DOC SKIP THE 1ST DOC:**

**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** Tester {

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

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

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

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

FindIterable<Document> selectedDocuments = collection.find().skip(1).limit(3);

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

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

}

mongoClient.close();

}

}

**EVEN POSITION RESULTS:**

**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** Tester {

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

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

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

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

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

**int** index = 1;

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

**if** (index % 2 == 0) {

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

}

index++;

}

mongoClient.close();

}

}

**SORTING-1:**

**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;

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

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

**public** **class** Sorting {

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

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

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

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

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

FindIterable<Document> descendingDocuments = collection.find().sort(Sorts.*descending*("First Name"));

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

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

}

System.***out***.println("Ascending Order");

FindIterable<Document> ascendingDocuments = collection.find().sort(Sorts.*ascending*("First Name"));

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

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

}

mongoClient.close();

}

}

**SORTING-2**

**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;

**import** com.mongodb.BasicDBObject;

**public** **class** Sorting {

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

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

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

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

// Ascending Order (1)

System.out.println("Ascending Order by First\_Name:");

BasicDBObject ascSort = **new** BasicDBObject("First\_Name", 1);

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

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

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

}

// Descending Order (-1)

System.out.println("\nDescending Order by First\_Name:");

BasicDBObject descSort = **new** BasicDBObject("First\_Name", -1);

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

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

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

}

mongoClient.close();

}

}