1. Connect database and then collection

MongoClient mongoClient = **new** MongoClient( **"localhost"** , 27017 );

MongoDatabase database = mongoClient.getDatabase(**"mydb"**);

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

1. Insert document

Document class style 🡪 JSON

{

**"name"** : **"MongoDB"**,

**"type"** : **"database"**,

**"count"** : 1,

**"versions"**: [ **"v3.2"**, **"v3.0"**, **"v2.6"** ],

**"info"** : { x : 203, y : 102 }

}

Document doc = **new** Document(**"name"**, **"MongoDB"**)

.append(**"type"**, **"database"**)

.append(**"count"**, 1)

.append(**"versions"**, Arrays.asList(**"v3.2"**, **"v3.0"**, **"v2.6"**))

.append(**"info"**,**new** Document(**"x"**, 203).append(**"y"**, 102));

collection.insert(doc);

1. Query document

法一：collection.find(

**new** Document(**"stars"**, **new** Document(**"$gte"**, 2)

.append(**"$lt"**, 5))

.append(**"categories"**, **"Bakery"**)).forEach(printBlock);

法二：collection.find(and(gte(**"stars"**, 2), lt(**"stars"**, 5), eq(**"categories"**, **"Bakery"**))).forEach(printBlock);

1. Json to Document

string json = "{'database' : 'mkyongDB','table' : 'hosting'," +

"'detail' : {'records' : 99, 'index' : 'vps\_index1', 'active' : 'true'}}}";

DBObject dbObject = (DBObject)JSON.parse(json);

Document doc = Document.parse(dbObject.toString());

collection.insert(doc);

1. Aggregate

AggregateIterable<Document> output = coll.aggregate(Arrays.asList(

new Document("$unwind", "$views"),

new Document("$match", new Document("views.isActive", true)),

new Document("$sort", new Document("views.date", 1)),

new Document("$limit", 200),

new Document("$project", new Document("\_id", 0).append("directKey", "$views.directKey")

.append("url", "$views.url")

.append("date", "$views.date"))

));

for (Document dbObject : output)

{

System.out.println(dbObject);

}