

EXAMEN RA5

MongoDB

Albano Díez de Paulino

Ejercicio1

1-A

Web para crear el cluster

Deploy your database

Use a template below or set up advanced configuration options. You can also edit these configuration options once the cluster is created.

M10 \$0.09/hour
For production applications with aspirational workload requirements.
STORAGE 10 GB RAM 2 GB vCPU 2 vCPUs

Serverless
For application development and testing, or workloads with variable traffic.
STORAGE Up to 1 TB RAM Auto-scale vCPU Auto-scale

M0 Free
For learning and exploring MongoDB in a cloud environment.
STORAGE 512 MB RAM Shared vCPU Shared

Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Name
You cannot change the name once the cluster is created.
DiezPaulinoAlbano

☒ Automate security setup
☒ Add sample dataset

Provider

Region
Paris (eu-west-3)

Tag (optional)
Create your first tag to categorize and label your resources; more tags can be added later. [Learn more](#).
 Select or enter value

[I'll do this later](#) [Go to Advanced Configuration](#) [Create Deployment](#)

Establecer usuario para la conexión

Connect to DiezPaulinoAlbano

1 Set up connection security 2 Choose a connection method 3 Connect

You need to secure your MongoDB Atlas cluster before you can use it. Set which users and IP addresses can access your cluster now. [Read more](#)

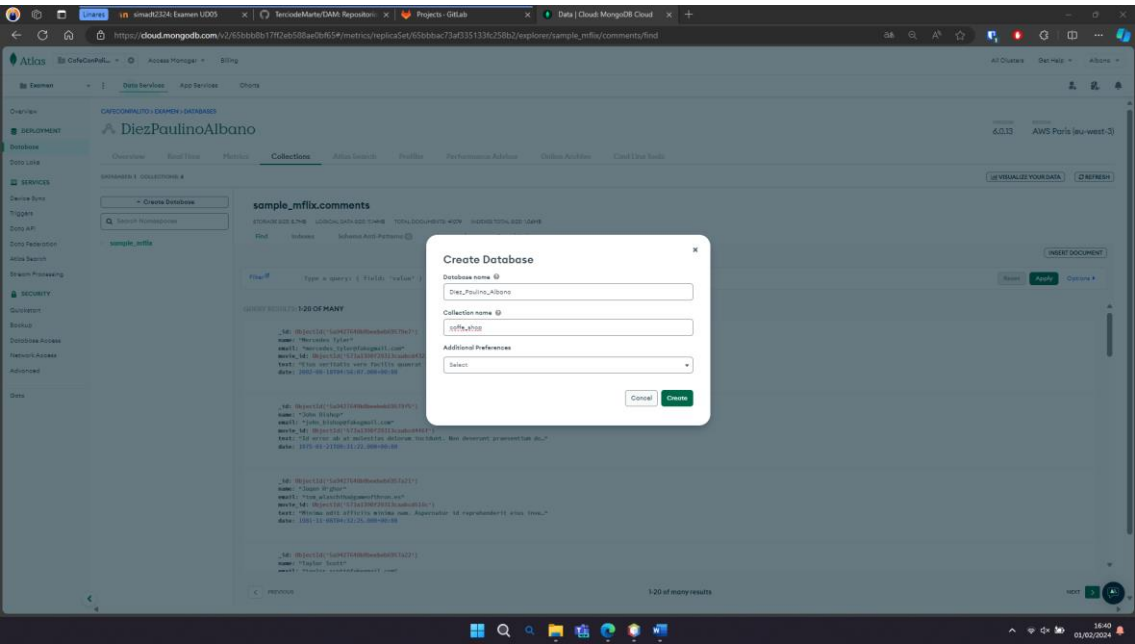
1. Add a connection IP address
Your current IP address (5143.68.51) has been added to enable local connectivity.

2. Create a database user
This first user will have **AtlasAdmin** permissions for this project. You'll need your database user's credentials in the next step.

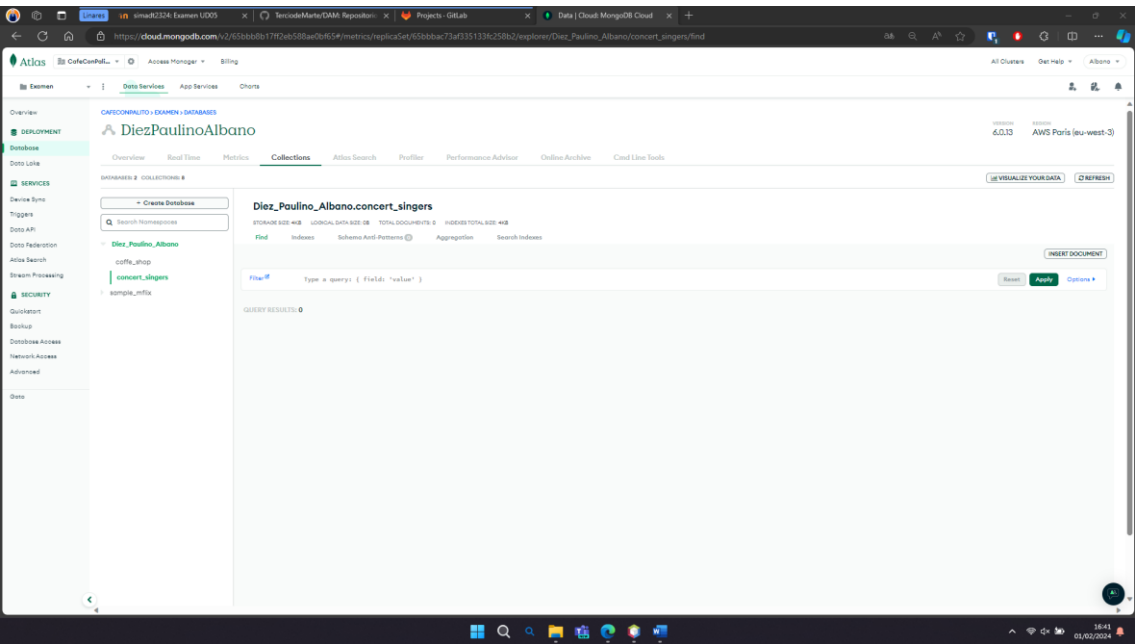
Username: Albano Password: 01020204

[Create Database User](#) [Cancel](#) [Choose a connection method](#)

Crear Primera coleccion

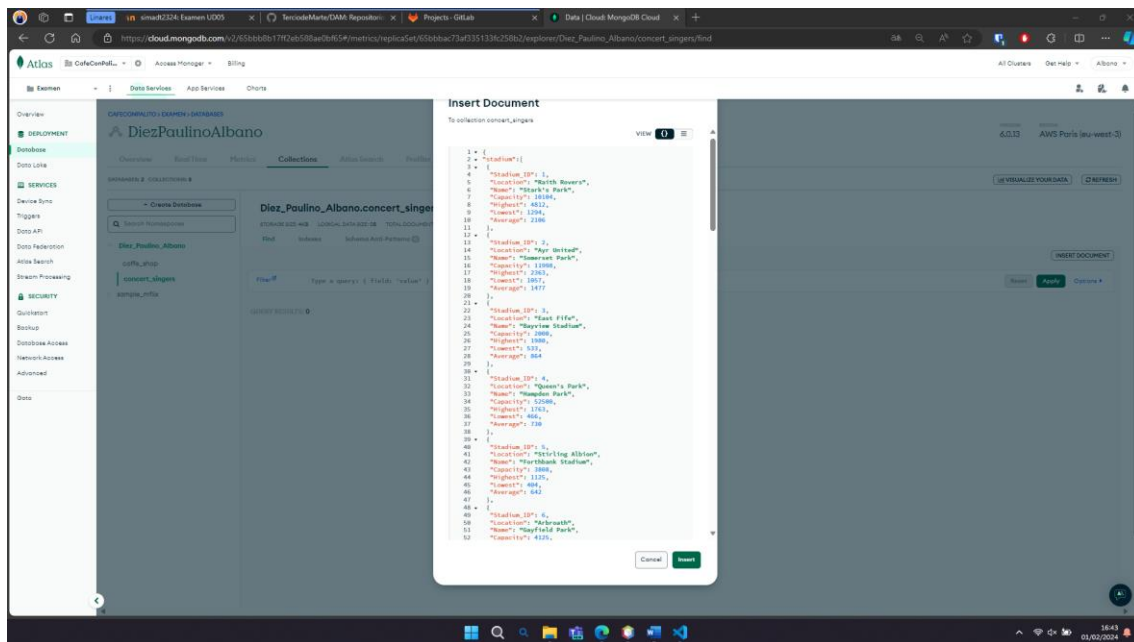


Las dos colecciones creadas

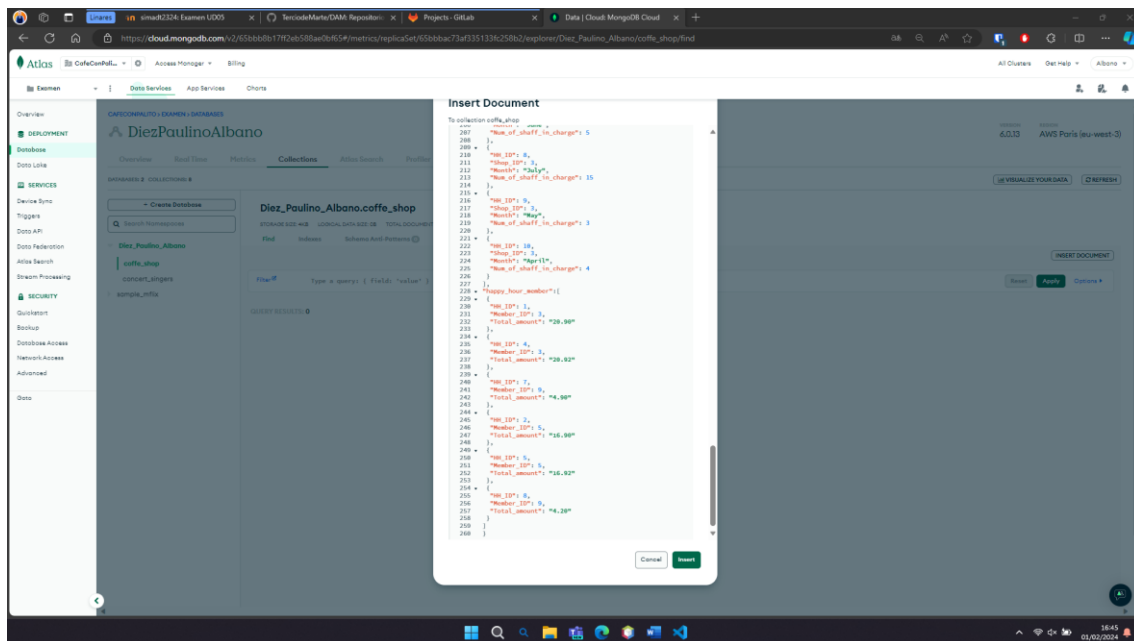


1B

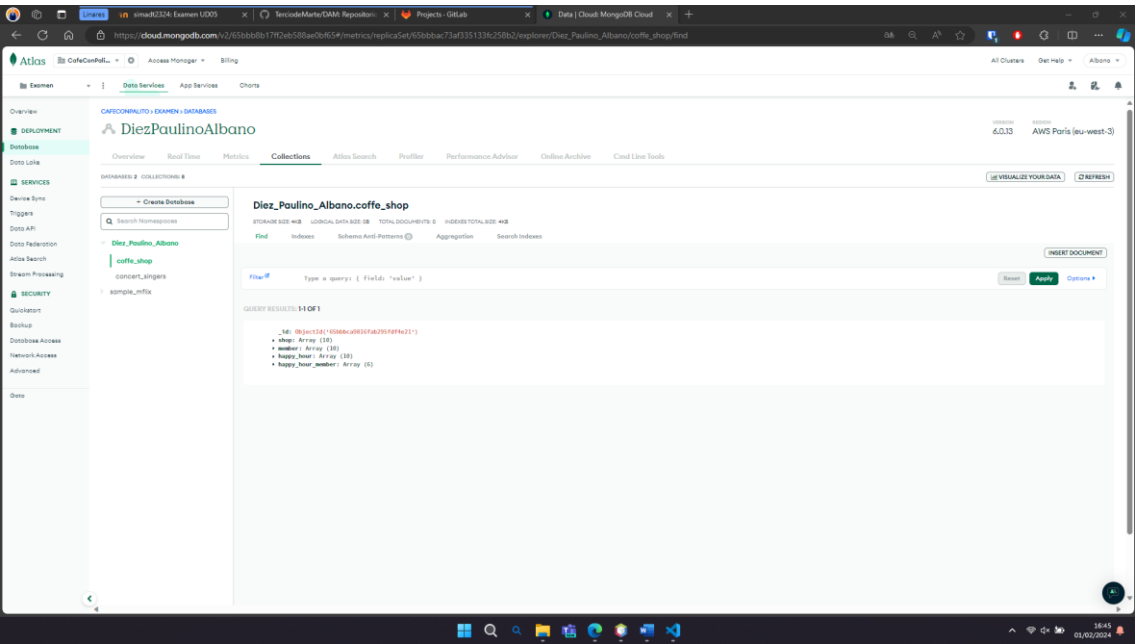
Insert documentos en concert_singers



Insert documentos en coffe_shop

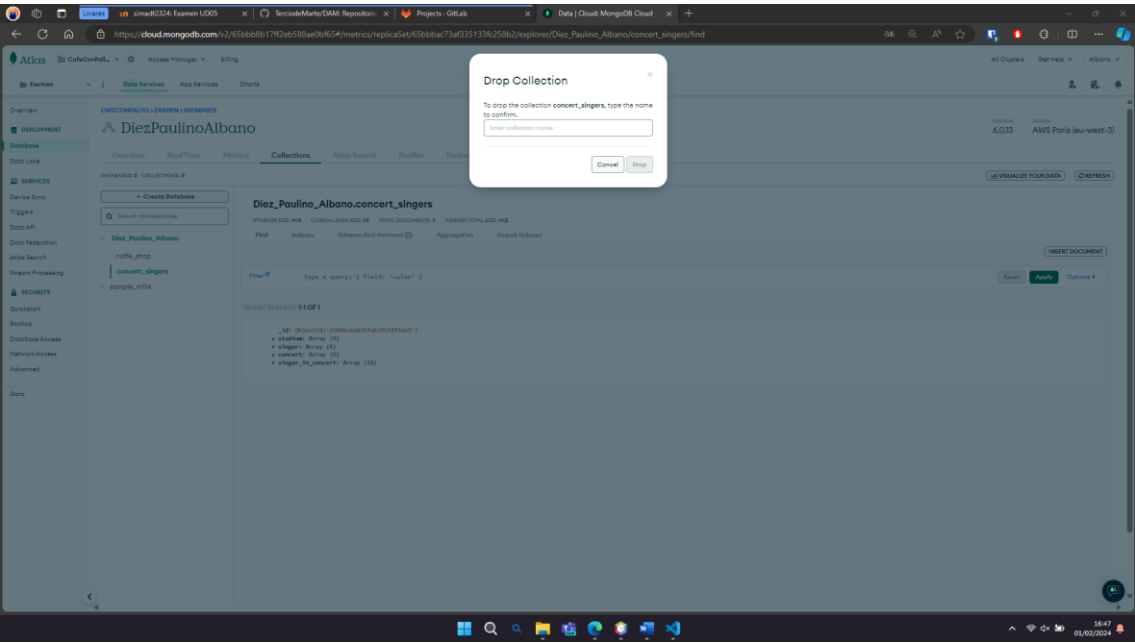


validación de la inserción

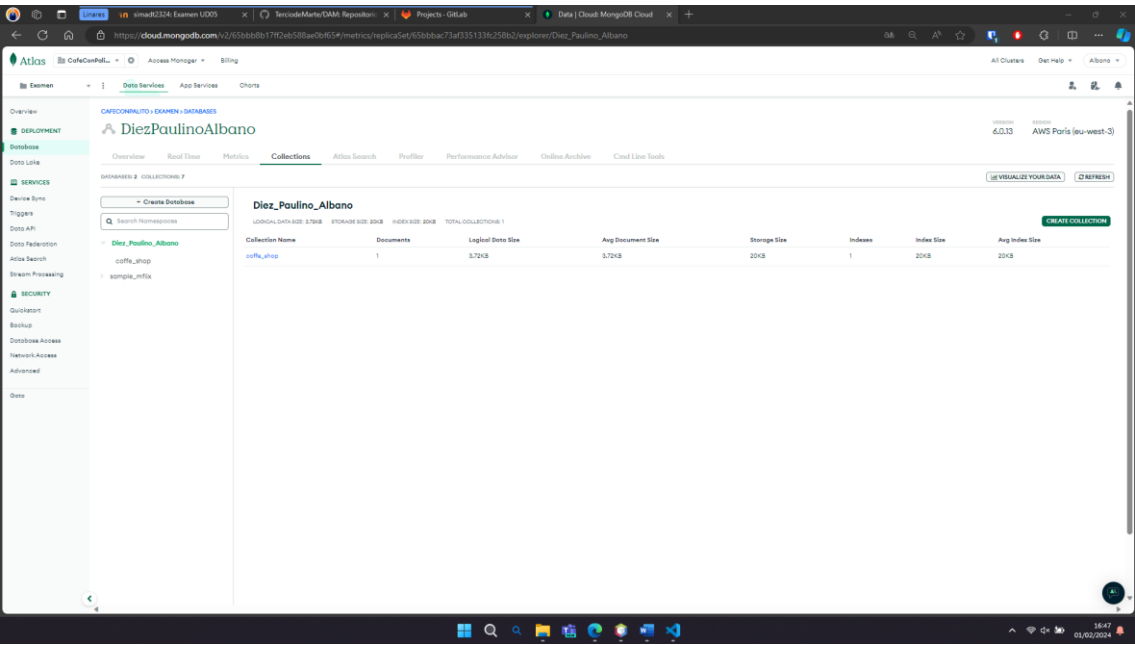


1C

Borrado de la colección

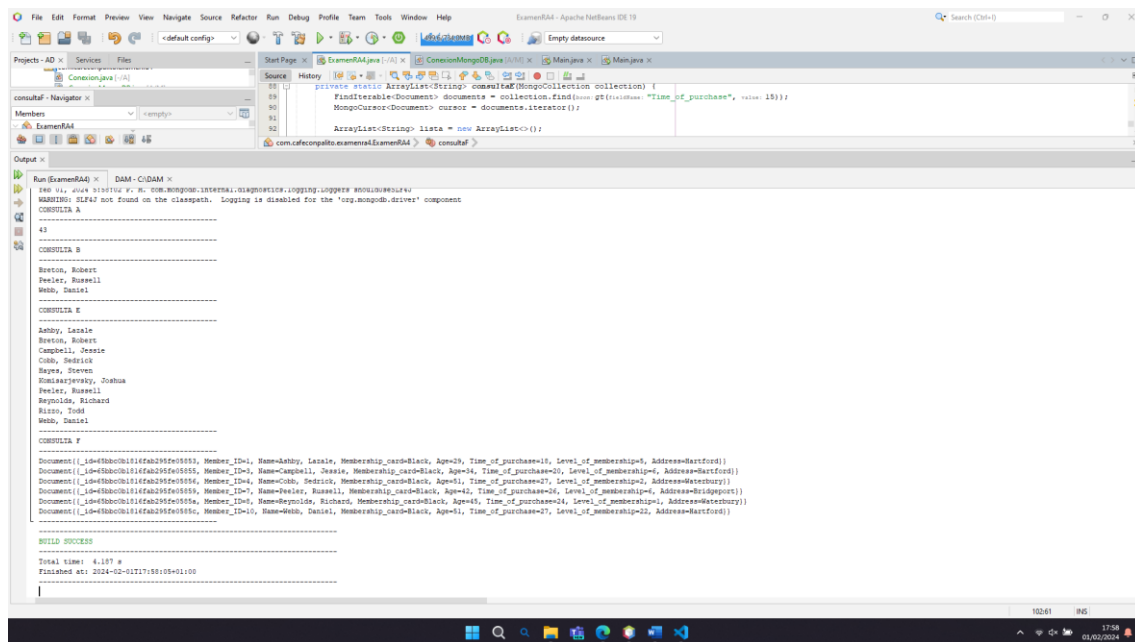


Validación del borrado



Ejercicio 4

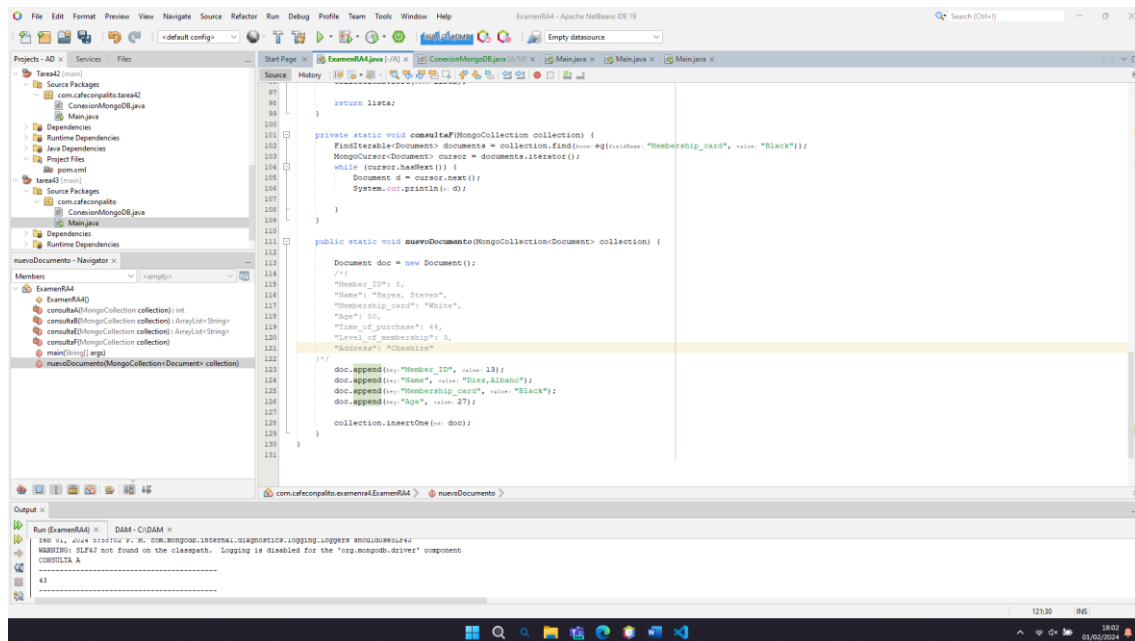
Prueba de ejecución libre de errores



```
File Edit Format Preview View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Examenes - Apache NetBeans IDE 19
Search (Ctrl+F)
Projects: AD X Services Files
Source: ExamenesRA4.java ExamenesMongoDB.java Main.java Main.java x
History
Source
88 private static ArrayList<String> consultaF(MongoCollection collection) {
89     FindIterable<Document> documents = collection.find(new BsonDocument("Time_of_purchase", value: 15));
90     MongoCursor<Document> cursor = documents.iterator();
91     ArrayList<String> lista = new ArrayList<>();
92 }
Output
Run [ExamenesRA4] x DAM - C:\DAM x
160 v1, java 11.0.10 v1: m. com.mongodb.internal.asyncprocessor.logging.loggers.MongoLogger
WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component
CONSULTA A
43
-----
CONSULTA B
Beyton, Robert
Penier, Russell
Webb, Daniel
-----
CONSULTA E
Anthony, Latale
Beyton, Robert
Campbell, Denise
Cobb, Derrick
Hayes, Steven
Hunsley-Jarvis, Joshua
Penier, Russell
Reynolds, Richard
Rizzo, Todd
Webb, Daniel
-----
CONSULTA F
Document([_id:48b0c0b11efab295fe05555, Member_ID=1, Name=Anthony, Latale, Membership_card=Black, Age=25, Time_of_purchase=15, Level_of_membership=4, Address=Hartford])
Document([_id:48b0c0b11efab295fe05555, Member_ID=2, Name=Campbell, Denise, Membership_card=Black, Age=34, Time_of_purchase=20, Level_of_membership=4, Address=Hartford])
Document([_id:48b0c0b11efab295fe05555, Member_ID=4, Name=Cobb, Derrick, Membership_card=Black, Age=41, Time_of_purchase=27, Level_of_membership=4, Address=Watborough])
Document([_id:48b0c0b11efab295fe05555, Member_ID=5, Name=Penier, Russell, Membership_card=Black, Age=42, Time_of_purchase=45, Level_of_membership=4, Address=Midagport])
Document([_id:48b0c0b11efab295fe05555, Member_ID=4, Name=Reynolds, Richard, Membership_card=Black, Age=43, Time_of_purchase=24, Level_of_membership=4, Address=Watborough])
Document([_id:48b0c0b11efab295fe05555, Member_ID=10, Name=Webb, Daniel, Membership_card=Black, Age=31, Time_of_purchase=27, Level_of_membership=22, Address=Hartford])
BUILD SUCCESS
Total time: 4.187 s
Finished at: 2024-02-01T17:50:09+01:00
```

Ejercicio 5

Método para insertarme en la base de datos



```
File Edit Format Preview View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Examenes - Apache NetBeans IDE 19
Search (Ctrl+F)
Projects: AD X Services Files
Source: ExamenesRA4.java ExamenesMongoDB.java Main.java Main.java x
History
Source
97 return lista;
98 }
99
100 private static void consultaF(MongoCollection collection) {
101     FindIterable<Document> documents = collection.find(new BsonDocument("Membership_card", value: "Black"));
102     MongoCursor<Document> cursor = documents.iterator();
103     while (cursor.hasNext()) {
104         Document d = cursor.next();
105         System.out.println(d);
106     }
107 }
108
109 public static void nuevoDocumento(MongoCollection<Document> collection) {
110
111     Document doc = new Document();
112     /*
113     "Member_ID": 5,
114     "Name": "Hayes, Steven",
115     "Membership_card": "White",
116     "Age": 30,
117     "Time_of_purchase": 44,
118     "Level_of_membership": 3,
119     "Address": "Chebline"
120     */
121     doc.append(new BsonDocument("Member_ID", value: 13));
122     doc.append(new BsonDocument("Name", value: "Diaz, Albano"));
123     doc.append(new BsonDocument("Membership_card", value: "Black"));
124     doc.append(new BsonDocument("Age", value: 27));
125     collection.insertOne(doc);
126 }
127
128
129
130
131
Output
Run [ExamenesRA4] x DAM - C:\DAM x
160 v1, java 11.0.10 v1: m. com.mongodb.internal.asyncprocessor.logging.loggers.MongoLogger
WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component
CONSULTA A
43
-----
```

Listar todos los clientes

