MongoDB Programming - Java

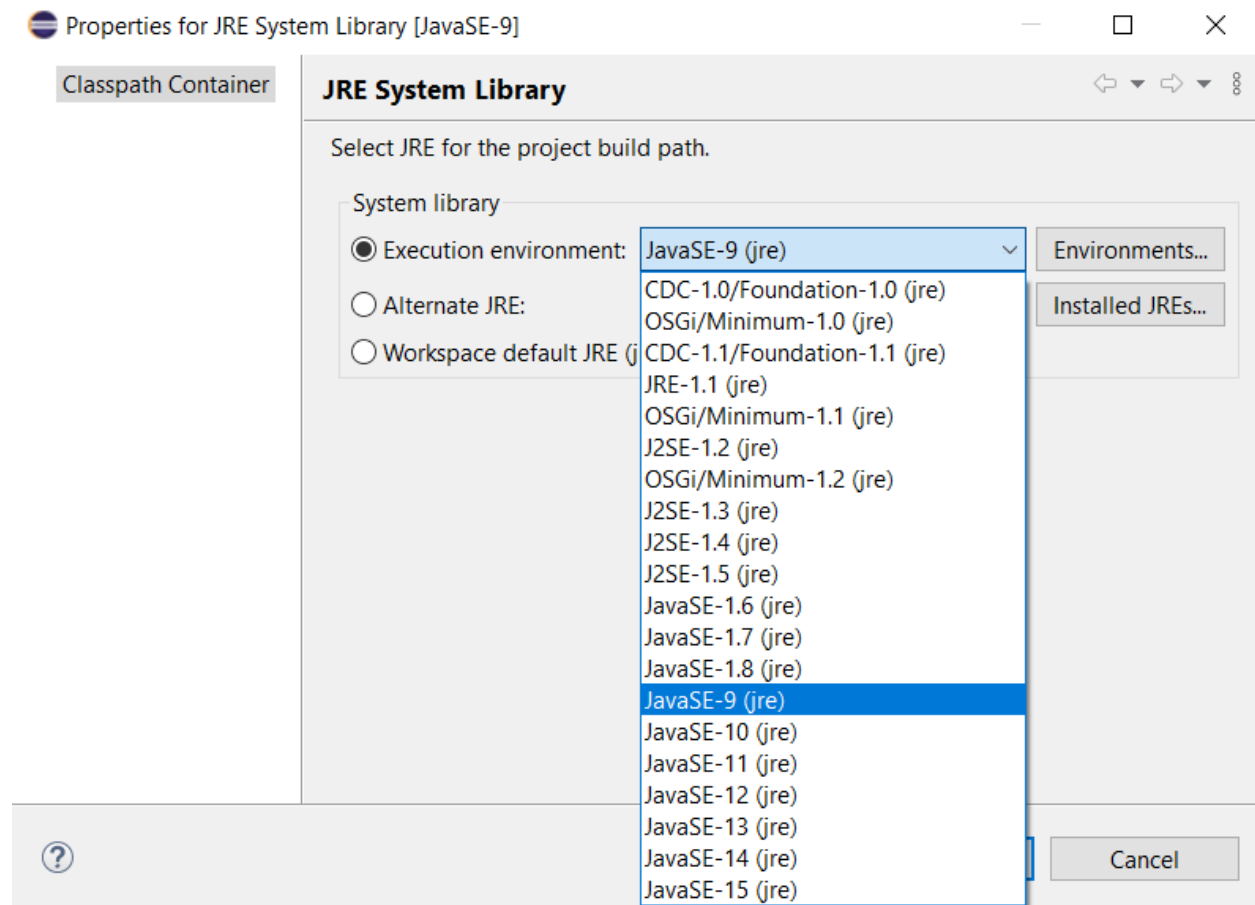Add following Maven dependencies in your pom.xml file:

```
<dependencies>
   <dependency>
      <groupId>org.mongodb</groupId>
      <artifactId>mongodb-driver-sync</artifactId>
      <version>4.2.2</version>
   </dependency>
</dependencies>
```

Make Java 9 as your JRE system library (may do as following):
- Right click on the JRE System Library[JavaSE-1.5]
- Click on properties and set the JavaSE to [JavSE-9]

- Click on Apply and Close.

Add given PostsMain.java file to your project.

Add atlas server address in your PostsMain.java at the point of creating a mongo client object as following:

```
MongoClient mongoClient = MongoClients.create("<your-mongodb-atlas-string>");
```

Update the part <your-mongodb-atlas-string> with your own link.

For getting the connection string, do the following :
- Under the clusters section, click on Connect
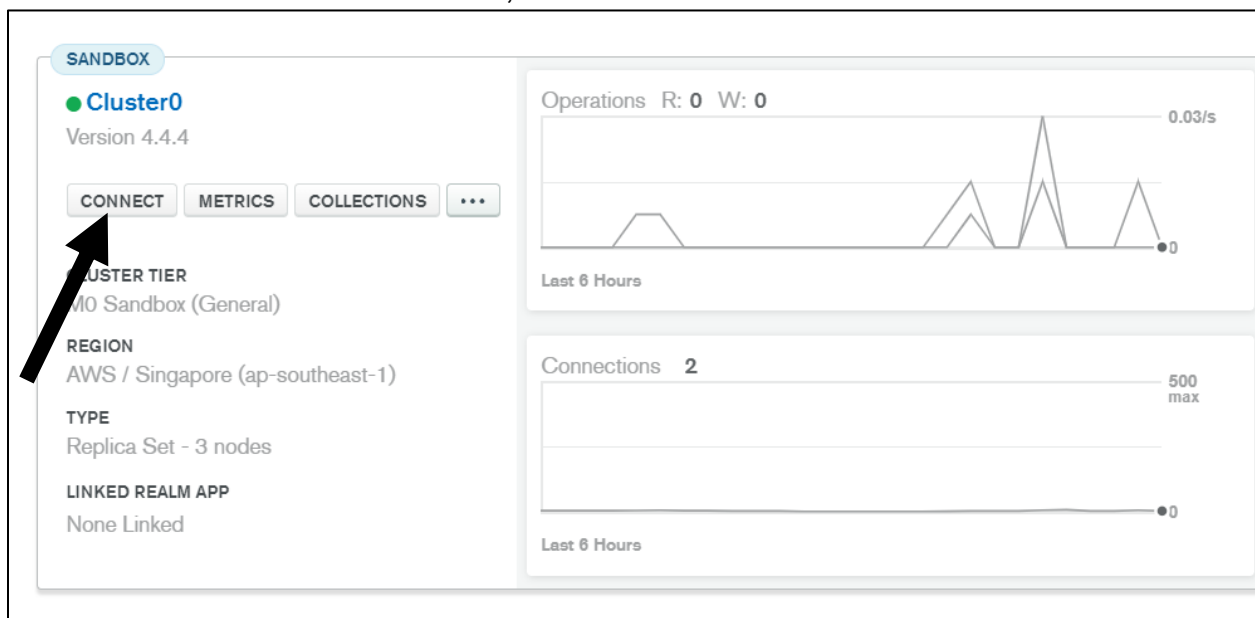
- Click on Connect To Application
- Copy the string mentioned, and enter your own password in place of <password>

Connect to Cluster0

✔ Setup connection security ✔ Choose a connection method Connect

1 Select your driver and version

DRIVER
Node.js ▼

VERSION
3.6 or later ▼

2 Add your connection string into your application code

☐ Include full driver code example

```
mongodb+srv://xyz:<password>@cluster0.2vtxx.mongodb.net/myFirstDatabase?
retryWrites=true&w=majority
```

Replace **<password>** with the password for the **xyz** user. Replace **myFirstDatabase** with the name of the database that connections will use by default. Ensure any option params are URL encoded.

Having trouble connecting? View our troubleshooting documentation

Go Back   Close

Now, run PostsMain.java file as Java Application.

You will find the output as follows :

Problems @ Javadoc Declaration Console ✕
<terminated> PostsMain [Java Application] C:\Users\DELL\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v20201027-0507\jre\bin\javaw.exe (14-Mar-2021, 2:24:04 pm – 2:24:09 pm)
Mar 14, 2021 2:24:05 PM com.mongodb.diagnostics.logging.Loggers shouldUseSLF4J
WARNING: SLF4J not found on the classpath. Logging is disabled for the 'org.mongodb.driver' component

Querying all the documents in collection posts
{"_id": {"$oid": "604dcf3070ab9169460e69c2"}, "title": "NoSQL Setup", "body": "This is the setup lab for mongodb", "tags": ["mongodb", "database"]}
{"_id": {"$oid": "604dcf3070ab9169460e69c3"}, "title": "Inserting documents", "body": "Insertion of documents can be done on a mongo shell using insert command", "tags"
{"_id": {"$oid": "604dcf3070ab9169460e69c4"}, "title": "Show collections", "body": "By writing show collections in mongo shell you can see the collections that the datal
{"_id": {"$oid": "604dcf3070ab9169460e69c5"}, "title": "Object Id", "body": "ObjectId is a special type of datatype used by mongoDB to identify each document.", "tags":

Query using filter criteria
{"_id": {"$oid": "604dcf3070ab9169460e69c3"}, "title": "Inserting documents", "body": "Insertion of documents can be done on a mongo shell using insert command", "tags"

Checking the updated document
{"_id": {"$oid": "604dcf3070ab9169460e69c3"}, "title": "Update document", "body": "Documents can be updated on a mongo shell using update command ", "tags": ["mongodb",

Checking the collection after deletion
{"_id": {"$oid": "604dcf3070ab9169460e69c2"}, "title": "NoSQL Setup", "body": "This is the setup lab for mongodb", "tags": ["mongodb", "database"]}
{"_id": {"$oid": "604dcf3070ab9169460e69c4"}, "title": "Show collections", "body": "By writing show collections in mongo shell you can see the collections that the datal
{"_id": {"$oid": "604dcf3070ab9169460e69c5"}, "title": "Object Id", "body": "ObjectId is a special type of datatype used by mongoDB to identify each document.", "tags":