

--MongoDB Java Connectivity

1. sudo apt update
2. sudo apt install -y mongodb
3. sudo systemctl start mongodb
sudo systemctl enable mongodb
4. mongo --version
5. mongo
6. exit

```
sudo apt install -y openjdk-11-jdk
```

```
java -version
```

```
nano ~/.bashrc
```

```
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64
```

```
source ~/.bashrc
```

```
mkdir MongoDBJavaExample  
cd MongoDBJavaExample
```

```
mkdir lib
```

```
https://repo1.maven.org/maven2/org/mongodb/mongodb-driver-sync/5.2.0/mongodb-driver-sync-5.2.0.jar
```

```
mv /(path/to)/mongodb-driver-sync-4.7.0.jar ./lib
```

```
touch MongoDBConnectionExample.java
```

--Write it in the Java File

```
import com.mongodb.client.MongoClients;  
import com.mongodb.client.MongoClient;  
import com.mongodb.client.MongoDatabase;  
import org.bson.Document;  
  
public class MongoDBConnectionExample {  
    public static void main(String[] args) {  
        // Create a MongoDB client and connect to the database  
        MongoClient mongoClient = MongoClients.create("mongodb://localhost:27017");  
  
        // Connect to the 'test' database (or create it if it doesn't exist)  
        MongoDatabase database = mongoClient.getDatabase("test");  
  
        // Create a collection (similar to a table) if it doesn't exist  
        database.createCollection("exampleCollection");  
  
        // Insert a sample document into the collection  
        Document doc = new Document("name", "John Doe")
```

```

        .append("age", 30)
        .append("city", "Pune");
database.getCollection("exampleCollection").insertOne(doc);

System.out.println("Document inserted successfully!");

// Close the MongoDB connection
mongoClient.close();
    }
}

```

```

javac -cp ".:lib/mongodb-driver-sync-4.7.0.jar" MongoDBConnectionExample.java

```

```

java -cp ".:lib/mongodb-driver-sync-4.7.0.jar" MongoDBConnectionExample

```

--You Should See Output : Document inserted successfully!

```

mongo

```

```

use test

```

```

db.examplecollection.find().pretty()

```

--You should see the inserted document

```

{
  "_id" : ObjectId("..."),
  "name" : "John Doe",
  "age" : 30,
  "city" : "Pune"
}

```