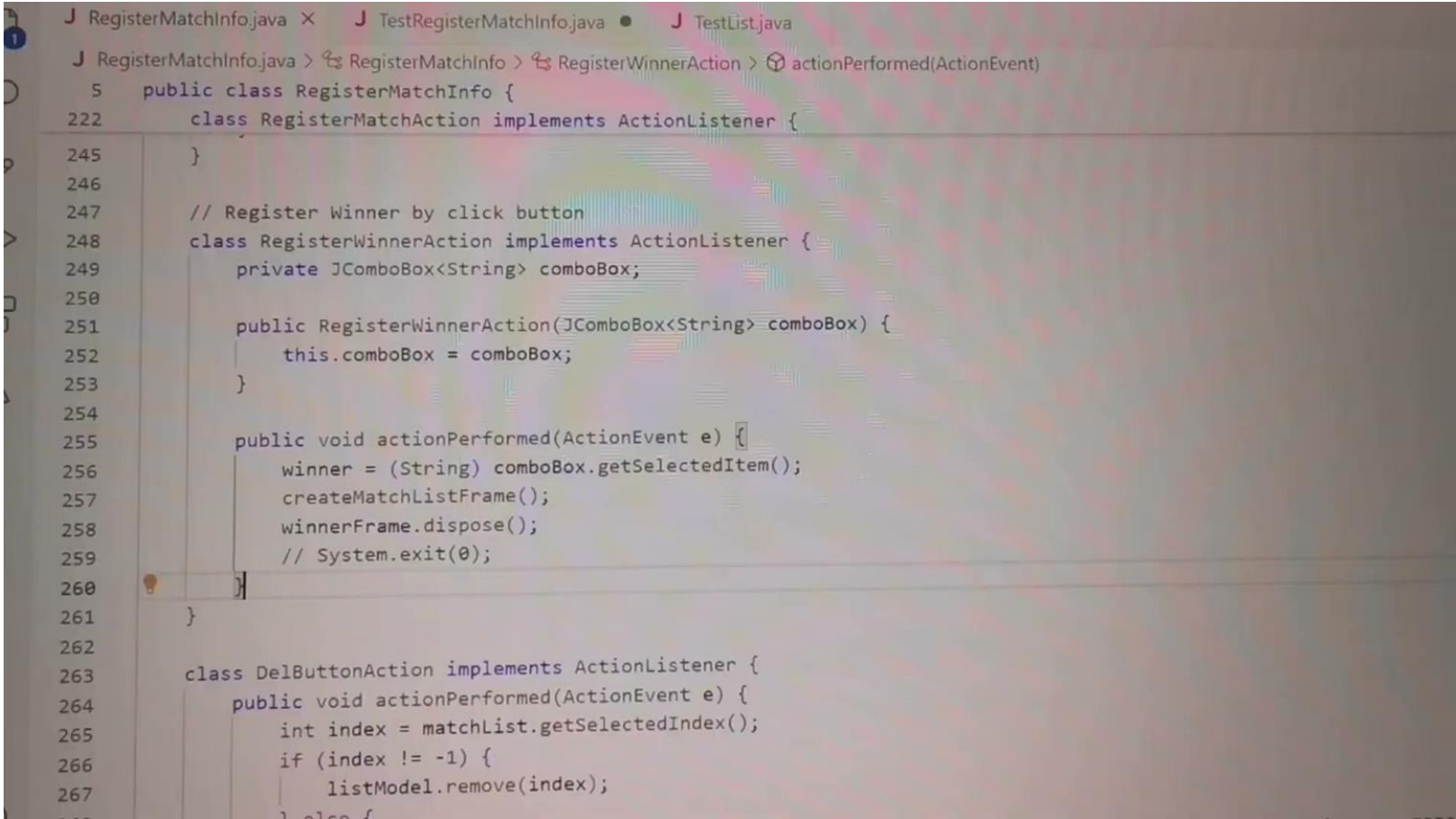
Guide of Our System

how to run “volleyball-match-record-system”

How to Register Information

demo

demo


RegisterMatchInfo.java
TestRegisterMatchInfo.java
TestList.java
RegisterMatchInfo.java > RegisterMatchInfo > RegisterWinnerAction > actionPerformed(ActionEvent)
public class RegisterMatchInfo {
class RegisterMatchAction implements ActionListener {
}
// Register Winner by click button
class RegisterWinnerAction implements ActionListener {
private JComboBox<String> comboBox;
public RegisterWinnerAction(JComboBox<String> comboBox) {
this.comboBox = comboBox;
}
public void actionPerformed(ActionEvent e) {
winner = (String) comboBox.getSelectedItem();
createMatchListFrame();
winnerFrame.dispose();
// System.exit(0);
}
}
class DelButtonAction implements ActionListener {
public void actionPerformed(ActionEvent e) {
int index = matchList.getSelectedIndex();
if (index != -1) {
listModel.remove(index);

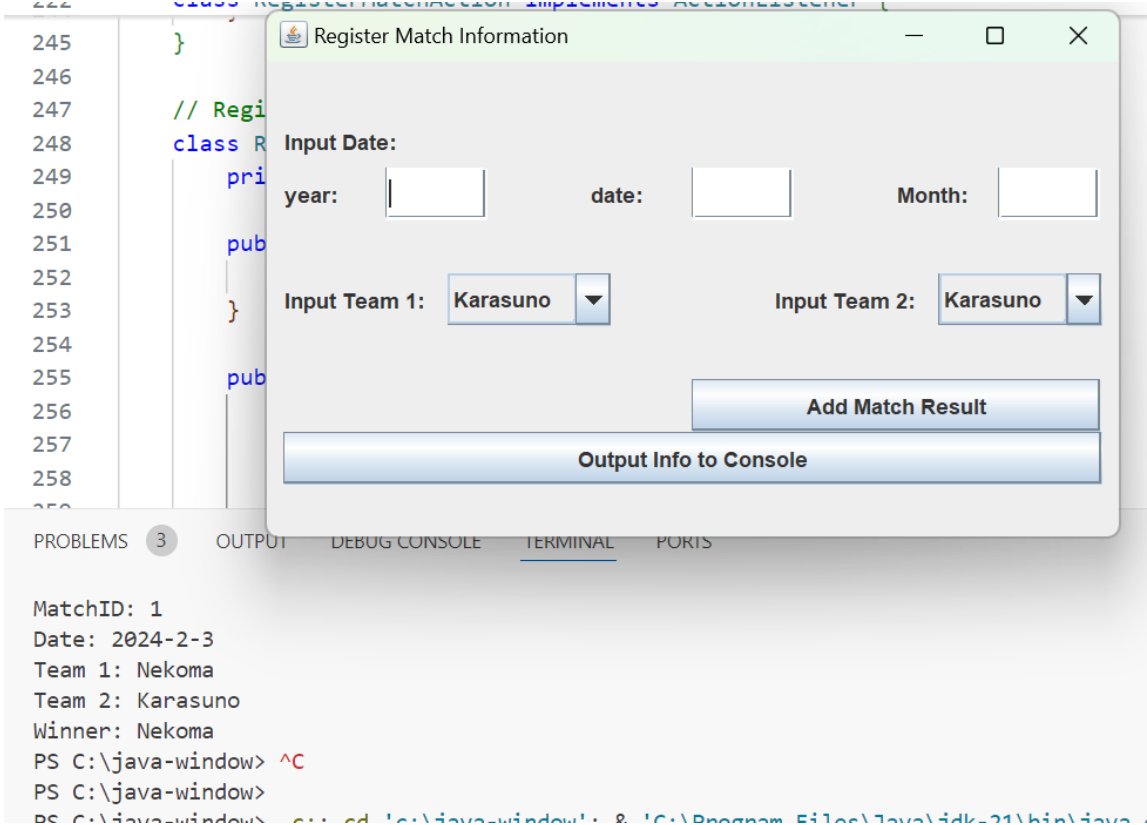
Register Match Information

When you run

"RegisterMatchInfo.java",

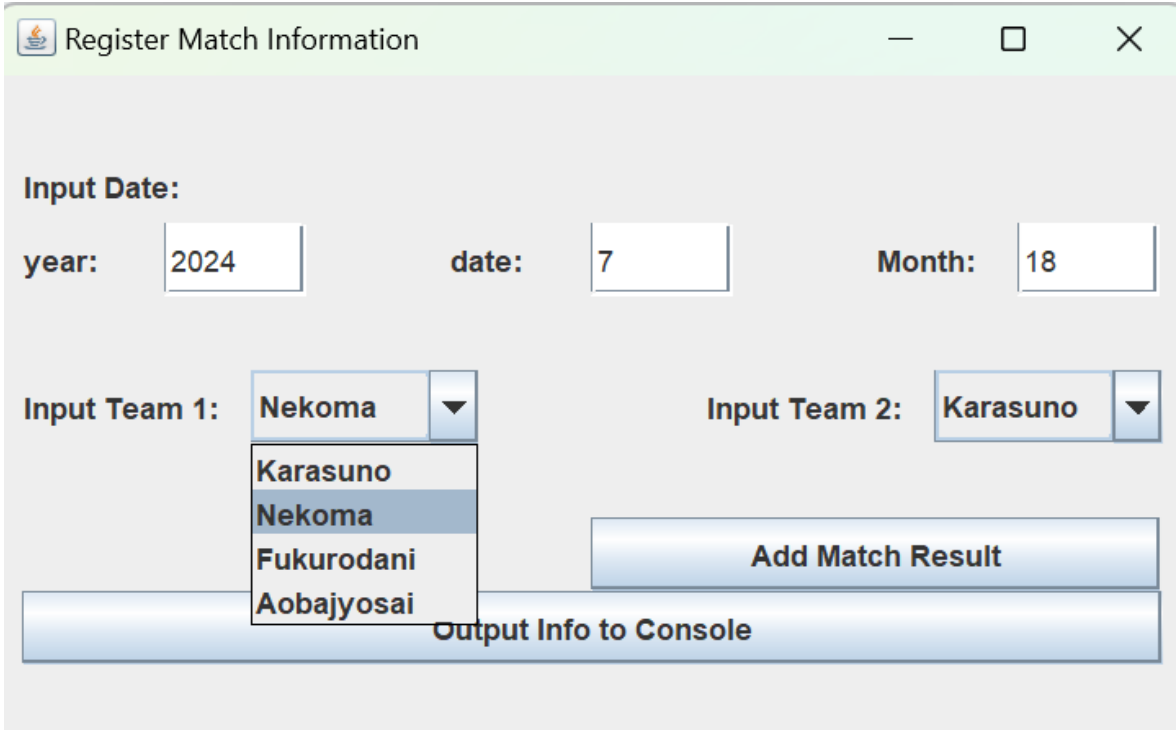
a window like the one

on the right will appear.



Step1 : Add Date and Team Information

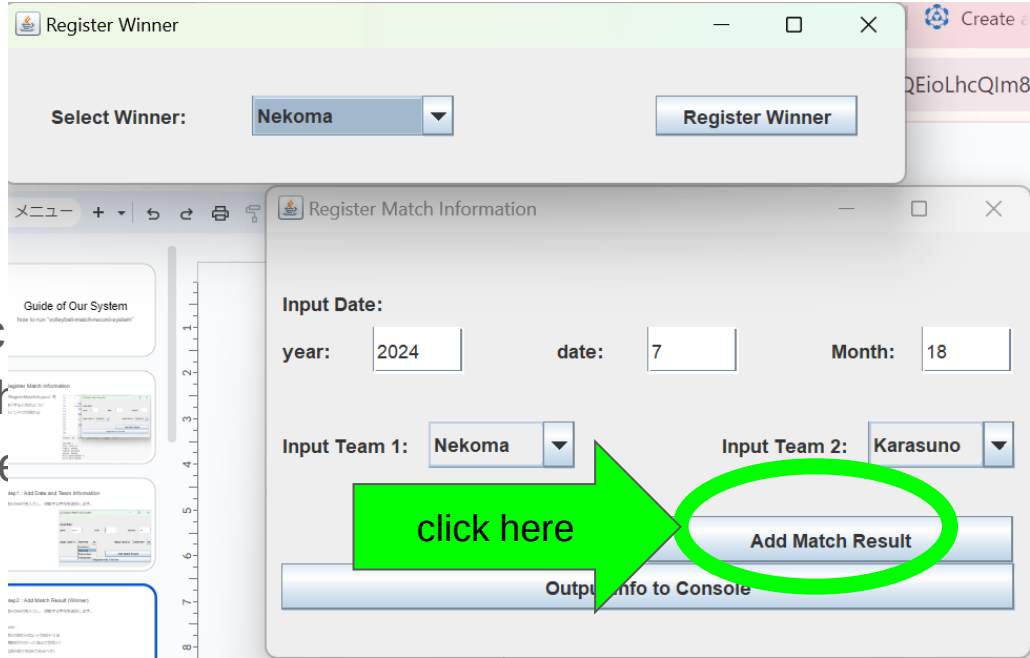
Enter the date of the match and select the competing school.



Step2-1 : Add Match Result

If match already finished, you can register winner team.

Click button “Add Match Result” (green color) then a new window “Register Winner” will appear.

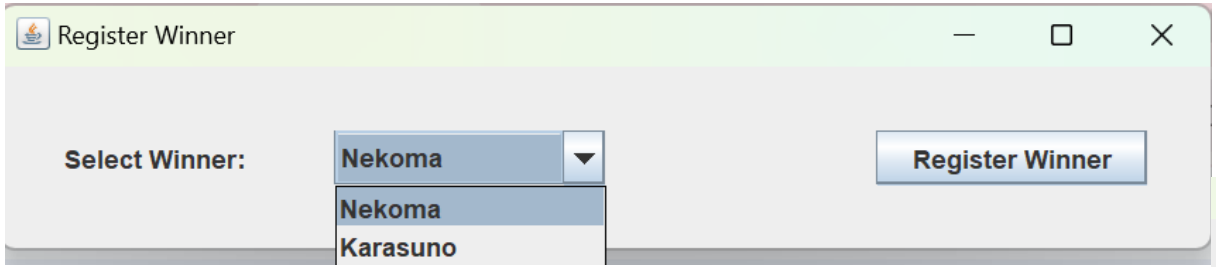


Point :

Registration not allowed until the matc
Register as soon as the competing sch
(Should be able to register even before

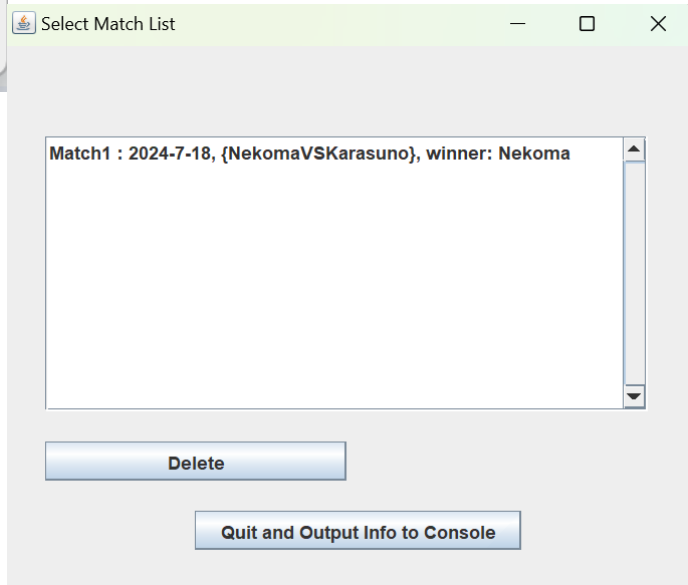
Step2-2 : Add Match Result

Select winner and click button “Register Winner”.



Then new window “Select Match List” will appear.

If you register a wrong information, you can delete it by select line in the field and click delete button.



Step3 : Output information

If you click the button “Quit and Output Info to Console”, you can see the output as below.

```
PS C:\java-window>  c:; cd 'c:\java-window'; & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Use
rs\lydwo\AppData\Roaming\Code\User\workspaceStorage\f84cd399d19ee08df405d99fb9b2580c\redhat.java\jdt_ws\java-window_983fec43\bin' 'RegisterMatchIn
fo'
MatchID: 1
Date: 2024-7-18
Team 1: Nekoma
Team 2: Karasuno
Winner: Nekoma
```

How to Get Information

Try 1: Get information of Player 1

Command: ./gradlew run --args="GetPlayerInfo 1"

Successful output: You can see a similar output as below

```
PS C:\volleyball-app\multi-storage-transaction-sample> ./gradlew run --args="GetPlayerInfo 1"
Starting a Gradle Daemon, 3 incompatible and 3 stopped Daemons could not be reused, use --status for details

> Task :compileJava
隴ｦ蜻・ [options] 繧ｽ繝ｼ繧ｹ蛟､8縺ｯ蟒・ｭ｢縺輔ｌ縺ｦ縺・※縲∝ｰ・擂縺ｮ繝ｪ繝ｪ繝ｼ繧ｹ縺ｧ蜑企勁縺輔ｌ繧倶ｺ亥ｮ壹〒縺・
                                                                                     隴ｦ蜻・ [options] 繧ｿ繝ｼ繧ｲ繝・ヨ蛟､8縺ｯ蟒・ｭ｢縺輔ｌ縺
ｦ縺・※縲∝ｰ・擂縺ｮ繝ｪ繝ｪ繝ｼ繧ｹ縺ｧ蜑企勁縺輔ｌ繧倶ｺ亥ｮ壹〒縺・
                                                隴ｦ蜻・ [options] 蟒・ｭ｢縺輔ｌ縺溘が繝励す繝ｧ繝ｳ縺ｫ縺､縺・※縺ｮ隴ｦ蜻翫ｒ陦ｨ遉ｺ縺励↑縺・↓縺ｯ縲・↓縺吶k縺ｫ
縺ｯ縲・Xlint:繧ｪ繝励す繝ｧ繝ｳ繧剃ｽｿ逕ｨ縺励※縺上□縺輔＞縲・
                                      隴ｦ蜻・蛟・

> Task :run
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
{"playerID": 1, "name": "Kageyama Tobio", "team": "Karasuno", "grade": 1, "position": "S",  "status": 27}

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own scripts or plugins.
```

How to run sample app

Step 0 : Download JAVA

Recommend to download Java 8, 11, 17, 21

We use version 21

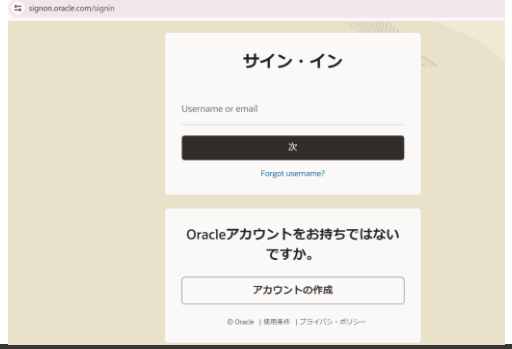
Prerequisites

- One of the following Java Development Kits (JDKs):
  - Oracle JDK LTS version (8, 11, 17 or 21)
  - OpenJDK LTS version (8, 11, 17, or 21) from Eclipse Temurin, Amazon Corretto, or Microsoft
- Docker 20.10 or later with Docker Compose V2 or later

> **NOTE**
>
> We recommend using the LTS versions mentioned above, but other non-LTS versions may work.
>
> In addition, other JDKs should work with ScalarDB, but we haven't tested them.

Step 0: Download Java

You might be required to create oracle account



Step for Windows →

ORACLE 製品 業種 リソース お客様 パートナー 開発者 オラクルについて アカウントを表示

Java downloads | Tools and resources | Java archive

JDK 22 | JDK 21 | JDK 17 | GraalVM for JDK 22 | GraalVM for JDK 21 | GraalVM for JDK 17

クラウドアカウント

クラウドにサインイン

無料クラウドティアにサインアップする

Oracleアカウント

Kasei Ri

ヘルプ

サインアウト

JDK Development Kit 21.0.4 downloads

JDK 21 binaries are free to use in production and free to redistribute, at no cost, under the Oracle No-Fee Ter

JDK 21 will receive updates under the NFTC, until September 2026, a year after the release of the next LTS. S

production use beyond the limited free grants of the OTN license will require a fee.

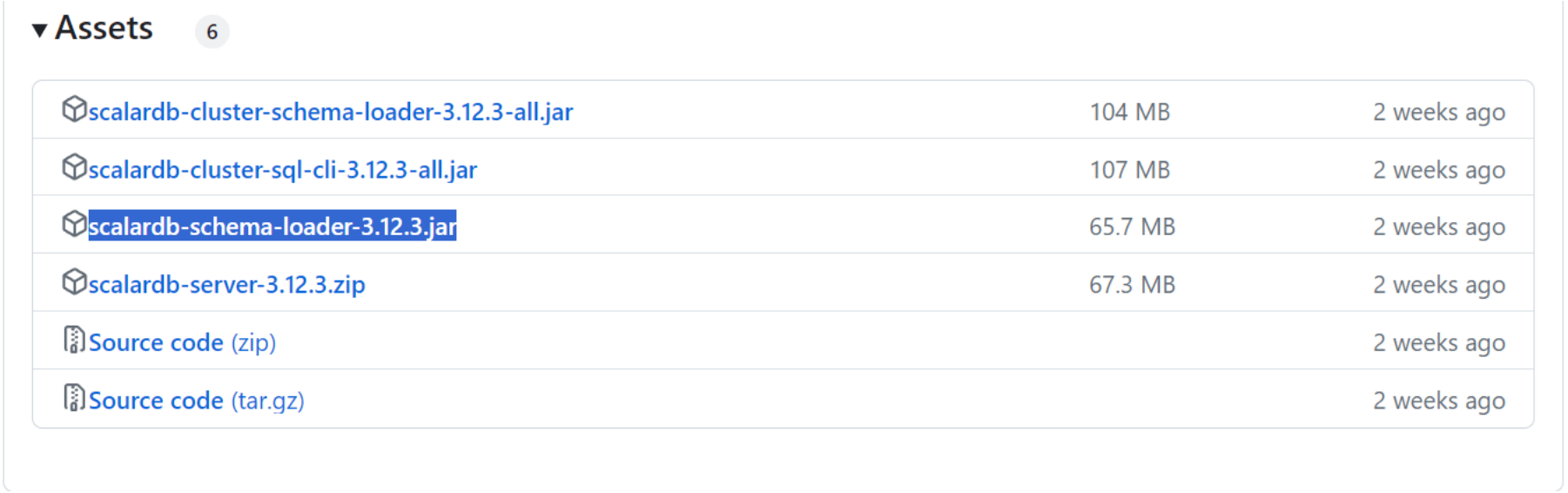
Linux | macOS | Windows

Product/file description	File size	Download
x64 Compressed Archive	185.84 MB	https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.zip (sha256)
x64 Installer	164.23 MB	https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.exe (sha256)
x64 MSI Installer	162.97 MB	https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.msi (sha256)

Step 0 : Download schema loader

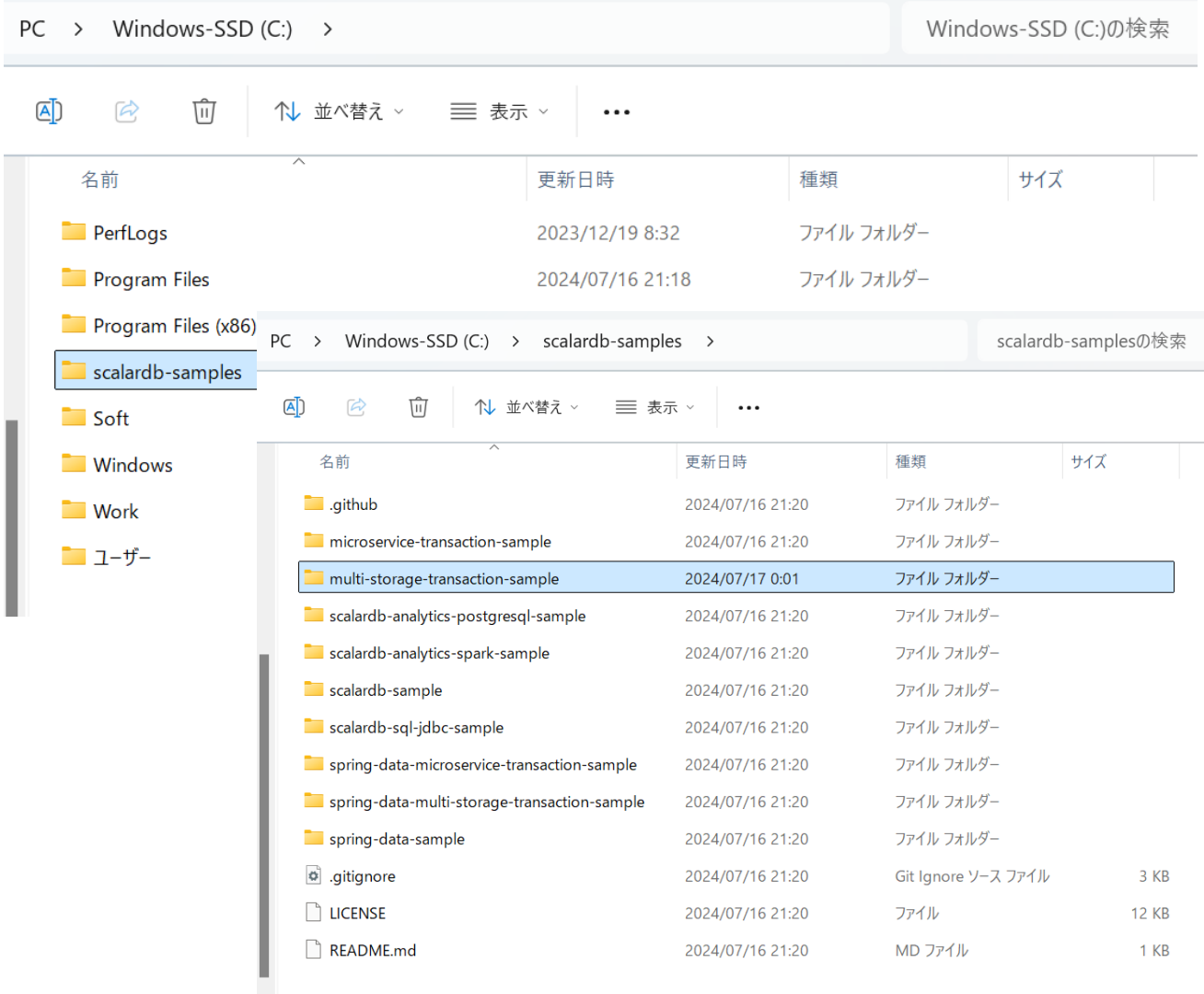
Schema loader Download

Please select the highlighted section below



Step 1 : Git clone

Clone succesfully



Step 3 : Check and Move schema loader

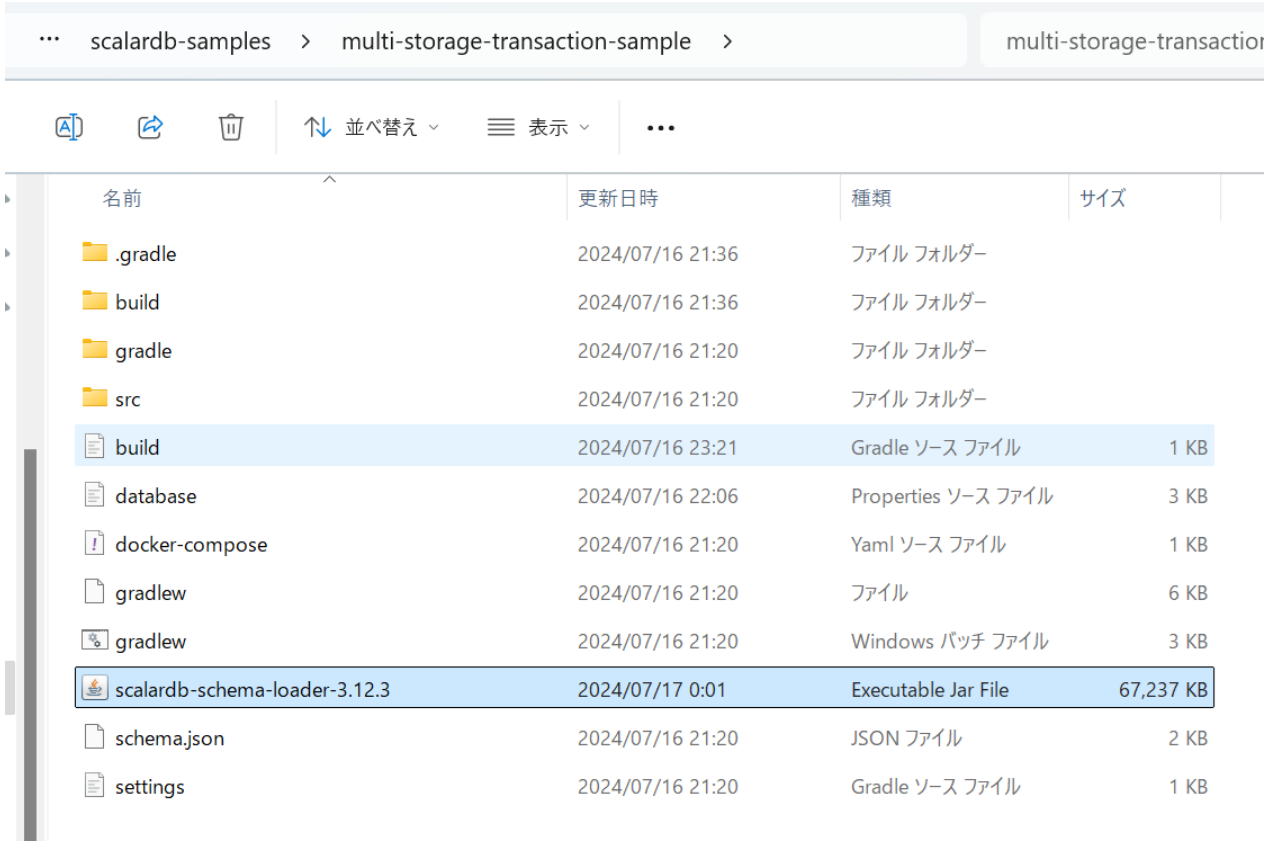
As shown in the figure

on the right

<Check the version>

We use 3.12.3

it will be used at next step

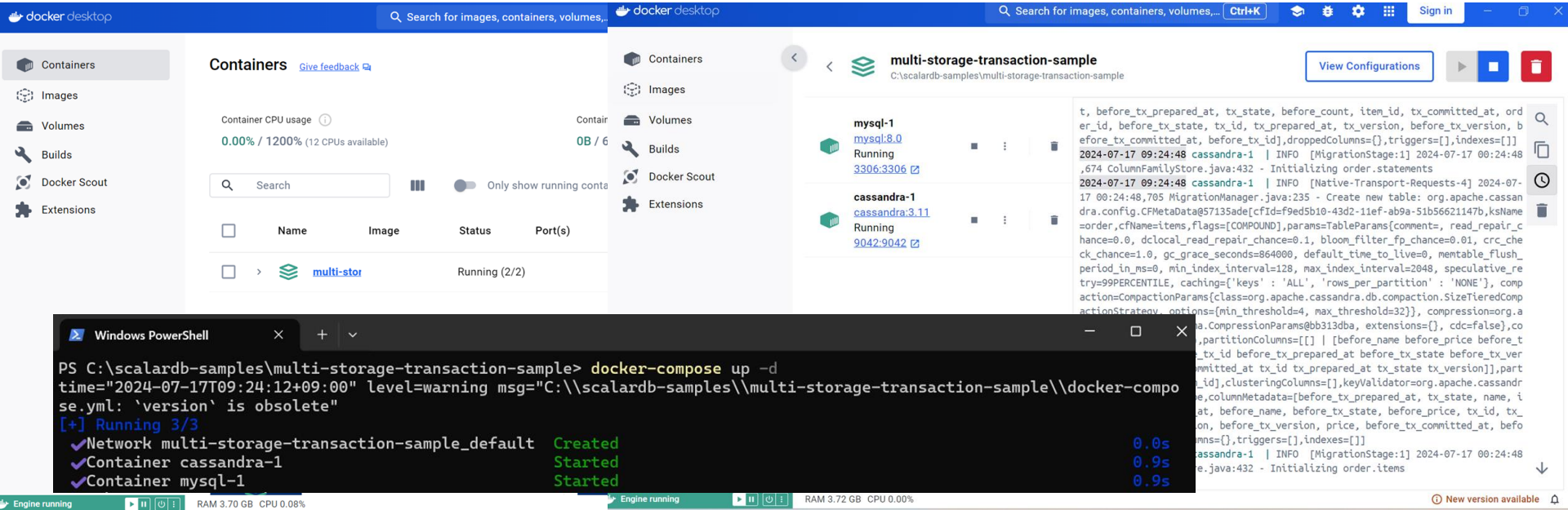


Step 4 : Start cassandra and mysql

Use Docker

Open “Docker Desktop” first 

and input Command: docker-compose up -d

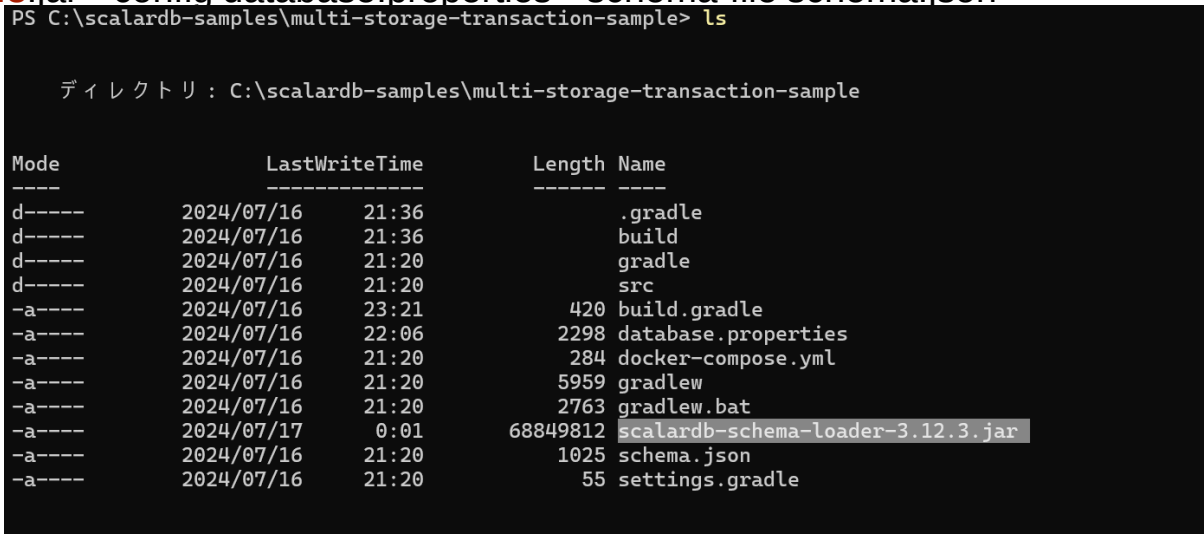


Step 5 : Load schema

Command: java -jar scalardb-schema-loader-<VERSION>.jar --config database.properties --schema-file schema.json --coordinator

Replace <VERSION>

java -jar scalardb-schema-loader-3.12.3.jar --config database.properties --schema-file schema.json --coordinator



Step 5

The successful result is shown below

```
PS C:\scalardb-samples\multi-storage-transaction-sample> java -jar scalardb-schema-loader-3.12.3.jar --config database.p
roperties --schema-file schema.json --coordinator
[main] INFO com.scalar.db.schemaloader.command.SchemaLoaderCommand - Config path: database.properties
[main] INFO com.scalar.db.schemaloader.command.SchemaLoaderCommand - Schema path: schema.json
[main] INFO com.datastax.driver.core - DataStax Java driver 3.11.5 for Apache Cassandra
[main] INFO com.datastax.driver.core.GuavaCompatibility - Detected Guava >= 19 in the classpath, using modern compatibil
ity layer
[main] INFO com.datastax.driver.core.Native - Could not load JNR C Library, native system calls through this library wil
l not be available (set this logger level to DEBUG to see the full stack trace).
[main] INFO com.datastax.driver.core.ClockFactory - Using java.lang.System clock to generate timestamps.
[main] WARN com.datastax.driver.core.NettyUtil - Found Netty's native epoll transport, but not running on linux-based op
erating system. Using NIO instead.
[main] INFO com.datastax.driver.core.Cluster - Cannot connect with protocol version V5, trying with V4
[main] INFO com.datastax.driver.core.policies.DCAwareRoundRobinPolicy - Using data-center name 'datacenter1' for DCAware
RoundRobinPolicy (if this is incorrect, please provide the correct datacenter name with DCAwareRoundRobinPolicy construc
tor)
[main] INFO com.datastax.driver.core.Cluster - New Cassandra host localhost/[0:0:0:0:0:0:0:1]:9042 added
[main] INFO com.scalar.db.storage.cassandra.ClusterManager - Session to the cluster is created
[main] INFO com.scalar.db.schemaloader.SchemaOperator - Creating the table customers in the namespace customer succeeded
[main] INFO com.scalar.db.schemaloader.SchemaOperator - Creating the table orders in the namespace order succeeded
[main] INFO com.scalar.db.schemaloader.SchemaOperator - Creating the table statements in the namespace order succeeded
[main] INFO com.scalar.db.schemaloader.SchemaOperator - Creating the table items in the namespace order succeeded
[main] INFO com.scalar.db.schemaloader.SchemaOperator - Creating the coordinator tables succeeded
```

Step 6 : Load initial data

Command:

```
./gradlew run --args="LoadInitialData"
```

<Attention> If you use Command prompt then use

```
gradlew run --args="LoadInitialData"
```

or

```
gradlew.bat run --args="LoadInitialData"
```

Step 6: Expected reaction

<Notice> Use java 21: Garbled text will appear → (you can use java 8)

```
PS C:\scalardb-samples\multi-storage-transaction-sample> ./gradlew run --args="LoadInitialData"
Starting a Gradle Daemon, 2 incompatible Daemons could not be reused, use --status for details

> Task :compileJava
隴ヲ蜻・ [options] 繧ス綯シ繧ケ蛟、8縺ッ蟒・ ュ「縺輔 Ⅰ 縺ヲ縺・ ※縲 ゥ雁セ後・ 綯ェ綯ェ綯シ繧ケ縺ァ蜃企勁縺輔 Ⅰ 繧倶ヨ亥ョ壹〒縺・
                                                                                                                隴ヲ蜻・ [opt
ions] 繧ソ綯シ繧イ綯・ ヨ 蛟、8縺ッ蟒・ ュ「縺輔 Ⅰ 縺ヲ縺・ ※縲 ゥ雁セ後・ 綯ェ綯ェ綯シ繧ケ縺ァ蜃企勁縺輔 Ⅰ 繧倶ヨ亥ョ壹〒縺・
                                                                                                        隴ヲ蜻・ [options]
蟒・ ュ「縺輔 Ⅰ 縺溘′ 綯励す 綯ァ綯ウ縺ォ縺、縺・ ※縺ョ隴ヲ蜻翫 r 陟ィ遖ヨ縺励↑縺・ h 縺・ ↓縺吶 k 縺ォ縺ッ縲・ Xlint:繧ェ綯励す 綯ァ綯ウ繧剃ソ逕ィ縺励↓縺吶・
            隴ヲ蜻・ 蛟・

> Task :run
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own sc
ripts or plugins.

See https://docs.gradle.org/7.6/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 14s
2 actionable tasks: 2 executed
```

Let’s use sample app

how to get information from database

Try 1 : Get player information from database

Successful output: You can see a similar output as below

{"id": 1, "name": "Yamada Taro", "credit_limit": 10000, "credit_total": 0}

```
PS C:\scalardb-samples\multi-storage-transaction-sample> ./gradlew run --args="GetCustomerInfo 1"

> Task :run
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
{"id": 1, "name": "Yamada Taro", "credit_limit": 10000, "credit_total": 0}

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own sc
ripts or plugins.

See https://docs.gradle.org/7.6/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 8s
2 actionable tasks: 1 executed, 1 up-to-date
```

Try 2 : customer order

Then, customer (ID 1) place an order for three apples and two oranges by running the following command:

```
PS C:\scalardb-samples\multi-storage-transaction-sample> ./gradlew run --args="PlaceOrder 1 1:3,2:2"

> Task :run
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
{"order_id": "4913664c-06db-4ca4-a010-b168ec641ae5"}

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own sc
ripts or plugins.

See https://docs.gradle.org/7.6/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 8s
2 actionable tasks: 1 executed, 1 up-to-date
```

Try 3 :

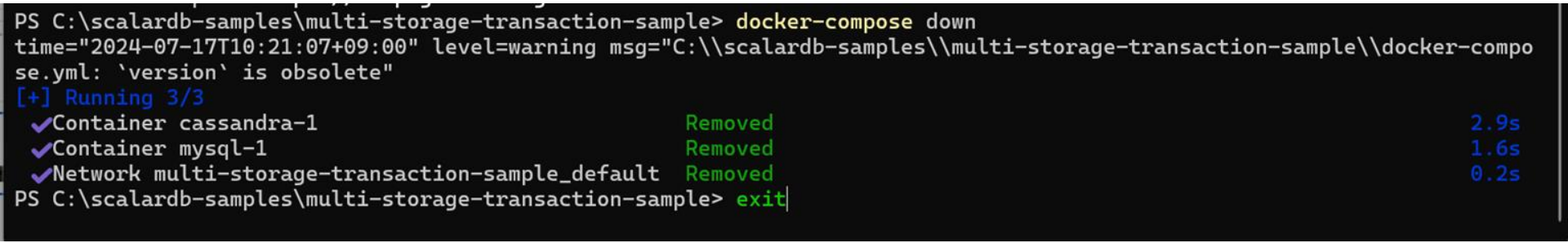
This is error output

```
PS C:\scalardb-samples\multi-storage-transaction-sample> ./gradlew run --args="GetOrder <1>"

> Task :run
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
java.lang.RuntimeException: Order not found
        at sample.Sample.getOrderJson(Sample.java:243)
        at sample.Sample.getOrderByOrderId(Sample.java:315)
        at sample.command.GetOrderCommand.call(GetOrderCommand.java:17)
        at sample.command.GetOrderCommand.call(GetOrderCommand.java:8)
        at picocli.CommandLine.executeUserObject(CommandLine.java:2041)
        at picocli.CommandLine.access$1500(CommandLine.java:148)
        at picocli.CommandLine$RunLast.executeUserObjectOfLastSubcommandWithSameParent(CommandLine.java:2461)
        at picocli.CommandLine$RunLast.handle(CommandLine.java:2453)
        at picocli.CommandLine$RunLast.handle(CommandLine.java:2415)
        at picocli.CommandLine$AbstractParseResultHandler.execute(CommandLine.java:2273)
        at picocli.CommandLine$RunLast.execute(CommandLine.java:2417)
        at picocli.CommandLine.execute(CommandLine.java:2170)
        at sample.command.SampleCommand.main(SampleCommand.java:35)

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own sc
ripts or plugins.

See https://docs.gradle.org/7.6/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 6s
2 actionable tasks: 1 executed, 1 up-to-date
```

The last

docker-compose down

exit



Appendix

Cannot load schema

./gradlew run --args="LoadInitialData" → error

Check java version and reload schema (step 5)

```
PS C:\scalardb-samples\multi-storage-transaction-sample> java -version
java version "21.0.4" 2024-07-16 LTS
Java(TM) SE Runtime Environment (build 21.0.4+8-LTS-274)
Java HotSpot(TM) 64-Bit Server VM (build 21.0.4+8-LTS-274, mixed mode, sharing)
```

Check your environment path “JAVA_HOME”