Instructions to run StockPrice Application:

Using the command line:
1) Unzip the file StockPrice.zip
2) Open command line
3) Install JDK if not installed
4) Go into the **StockPrice** folder using the command line
5) Use the commands below to compile the program(Make sure the current directory is StcokPrice)

For Windows:
Javac -cp "lib/apiguardian-api-1.1.2.jar;lib/junit-jupiter-params-5.8.1.jar;lib/commons-lang3-3.12.0.jar; lib/junit-platform-commons-1.8.1.jar;lib/junit-jupiter-5.8.1.jar;lib/junit-platform-engine-1.8.1. jar;lib/junit-jupiter-api-5.8.1.jar;lib/opencsv-5.5.2.jar;lib/junit-jupiter-engine-5.8.1.jar;lib/ope ntest4j-1.2.0.ja;lib/junit-platform-console-standalone-1.7.0.jarr" -d out src/StockPrice.java src/ProfitRO.java

Or

javac -cp ".;lib/*" -d out src/StockPrice.java src/ProfitRO.java

For Mac:
Javac -cp "lib/apiguardian-api-1.1.2.jar:lib/junit-jupiter-params-5.8.1.jar:lib/commons-lang3-3.12.0.jar: lib/junit-platform-commons-1.8.1.jar:lib/junit-jupiter-5.8.1.jar:lib/junit-platform-engine-1.8.1. jar:lib/junit-jupiter-api-5.8.1.jar:lib/opencsv-5.5.2.jar:lib/junit-jupiter-engine-5.8.1.jar:lib/ope ntest4j-1.2.0.jar:lib/junit-platform-console-standalone-1.7.0.jar" -d out src/StockPrice.java src/ProfitRO.java

Or

javac -cp ".:lib/*" -d out src/StockPrice.java src/ProfitRO.java

The above command will add OpenCSV, Junit, and other dependencies required by them using classpaths while compiling the code. OpenCSV is used to parse the CSV file, and Junit is used for the unit tests.

5) Run the program using the below commands

For Windows:
Java -cp "lib/apiguardian-api-1.1.2.jar;lib/junit-jupiter-params-5.8.1.jar;lib/commons-lang3-3.12.0.jar;

lib/junit-platform-commons-1.8.1.jar;lib/junit-jupiter-5.8.1.jar;lib/junit-platform-engine-1.8.1. jar;lib/junit-jupiter-api-5.8.1.jar;lib/opencsv-5.5.2.jar;lib/junit-jupiter-engine-5.8.1.jar;lib/ope ntest4j-1.2.0.jar;lib/junit-platform-console-standalone-1.7.0.jar:out" StockPrice AAPL 2023

Or

java -cp "out;lib/*" StockPrice AAPL 2023

For Mac:

Java -cp "lib/apiguardian-api-1.1.2.jar:lib/junit-jupiter-params-5.8.1.jar:lib/commons-lang3-3.12.0.jar: lib/junit-platform-commons-1.8.1.jar:lib/junit-jupiter-5.8.1.jar:lib/junit-platform-engine-1.8.1. jar:lib/junit-jupiter-api-5.8.1.jar:lib/opencsv-5.5.2.jar:lib/junit-jupiter-engine-5.8.1.jar:lib/ope ntest4j-1.2.0.jar:lib/junit-platform-console-standalone-1.7.0.jar:out" StockPrice AAPL 2023

Or

java -cp "out:lib/*" StockPrice AAPL 2023

6) Run Unit Tests:

1)compile your unit tests

Mac:

javac -cp ".:lib/*" -d out src/StockPriceTest.java src/StockPrice.java src/ProfitRO.java

Windows:

javac -cp ".;lib/*" -d out src/StockPriceTest.java src/StockPrice.java src/ProfitRO.java

2)To run all the tests

Mac:

java -cp "out:lib/*" org.junit.platform.console.ConsoleLauncher --scan-classpath

Windows:

java -cp "out;lib/*" org.junit.platform.console.ConsoleLauncher --scan-classpath

Using IntelliJ:

1) Unzip the StockPrize file
2) Open StockPrize project using IntelliJ
3) Make sure JDK is installed and correctly configured
4) In Project Structure, right-click on the '**lib**' folder and click on **'Add as Library'** to add OpenCSV, JUnit, and other dependency (JAR)files to StockPrice. (Make sure the selected project is StockPrice before clicking OK)

5) In the top menu, click on **Run>Edit Configurations** and write your command line arguments in the **'Program Arguments'** field in the form of **<companyName> <year>** for example enter **AAPL 2023 (**Make sure the project is StockPrice**),** after entering arguments click **'apply'** and then **'ok'**.
6) In Project Structure, Right click on the **StockPrice** class in the src directory and click on **"Run StockPrice.main()"** to run the program
7) In Project Structure, Right click on the **StockPriceTest** class in the src directory and click on **"Run StockPriceTest"** to run the tests