Step by Step Installation Screenshots

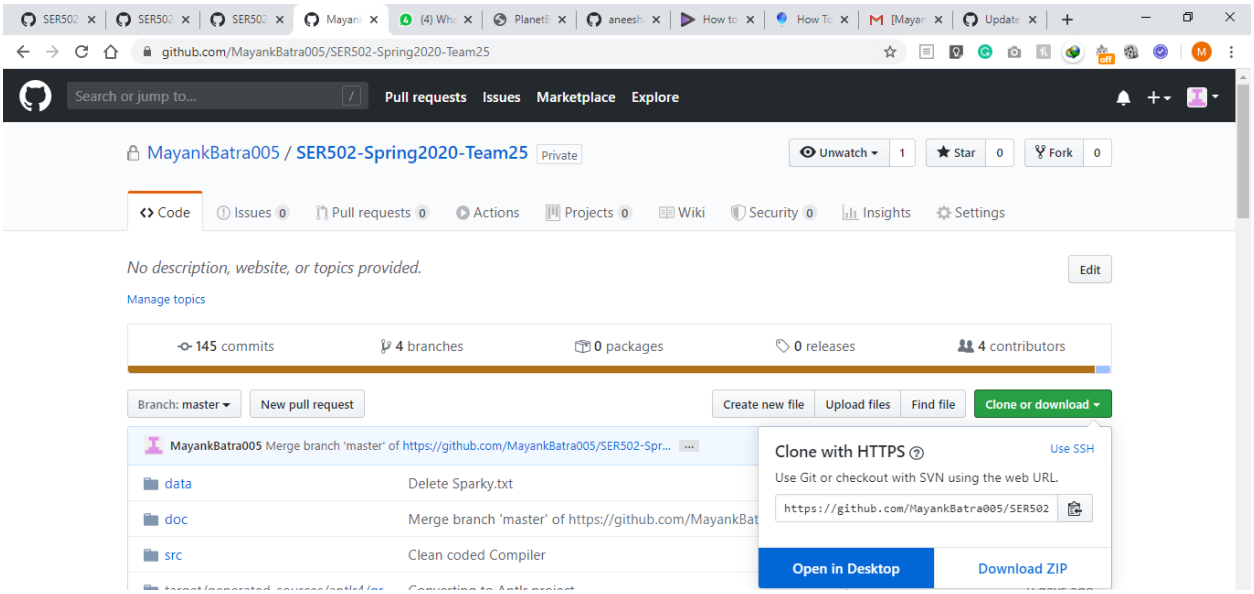
Pre-Requisites:

- JAVA JDK 1.8 installed
- Eclipse IDE
- Ant build System installed
- Github desktop/ git bash/ git installed in command prompt
- ANtlr

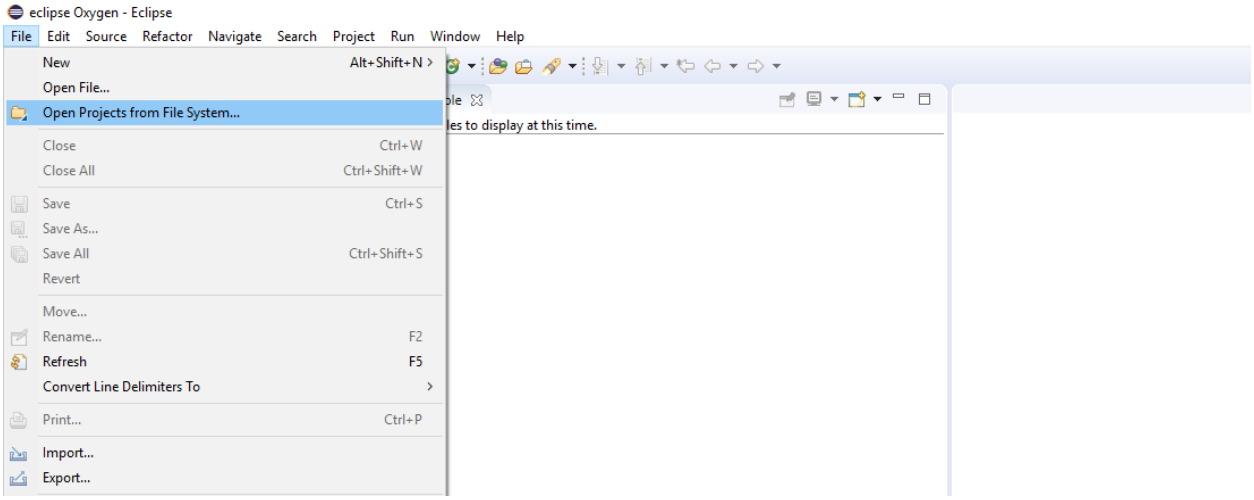
Directions/instructions to install Sparky language

Follow the below steps to install via GitHub:

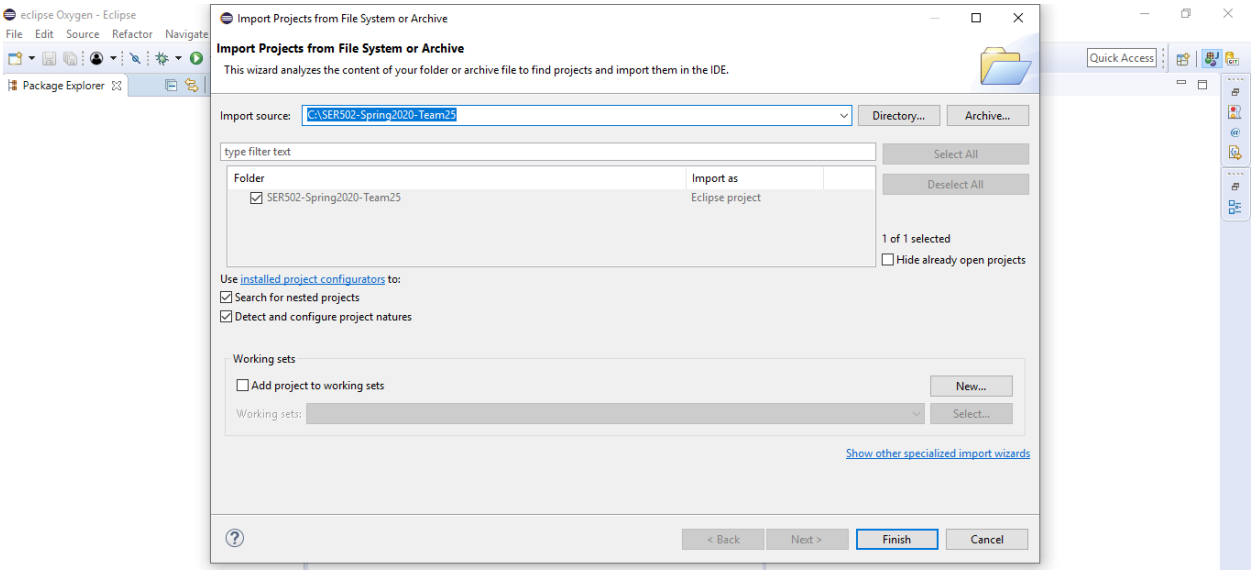
- Clone the git project from https://github.com/MayankBatra005/SER502-Spring2020-Team25

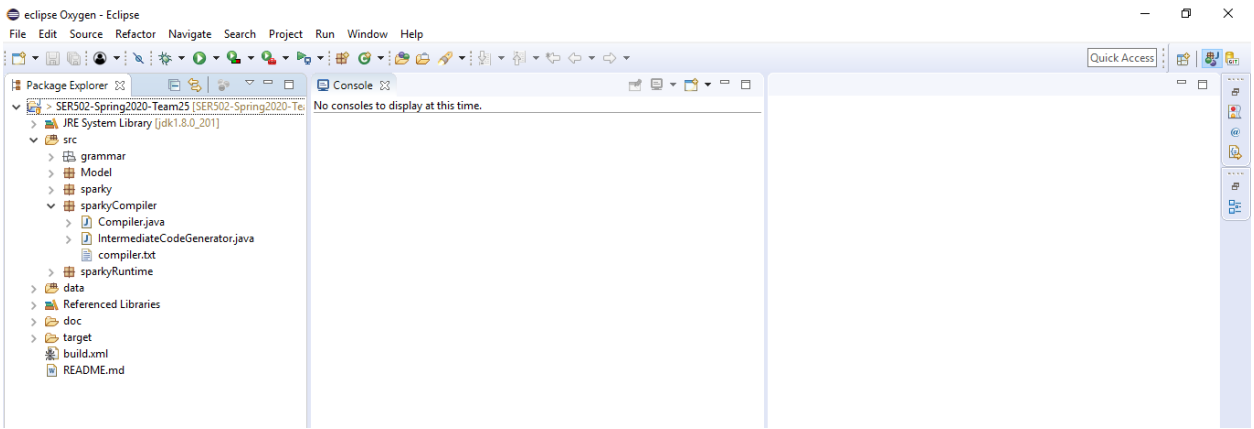


- Download this git project and Unzip the project in a new folder.
  < Make sure there should be no spaces or invalid characters>
- Open the project in Eclipse using following steps:
- Files >> Open Project From File System. Browser your project folder here upto extracted project directory.



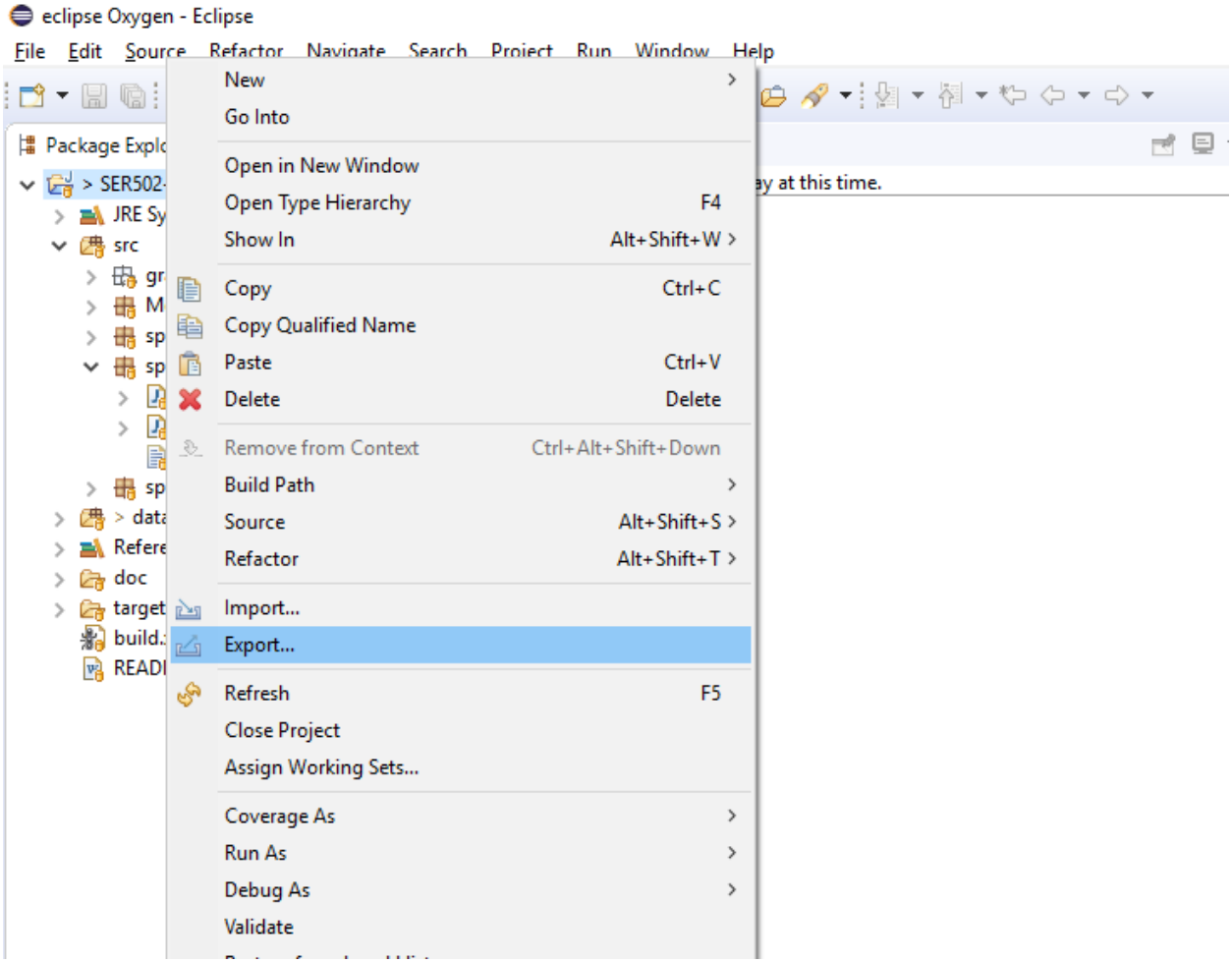
Import the project



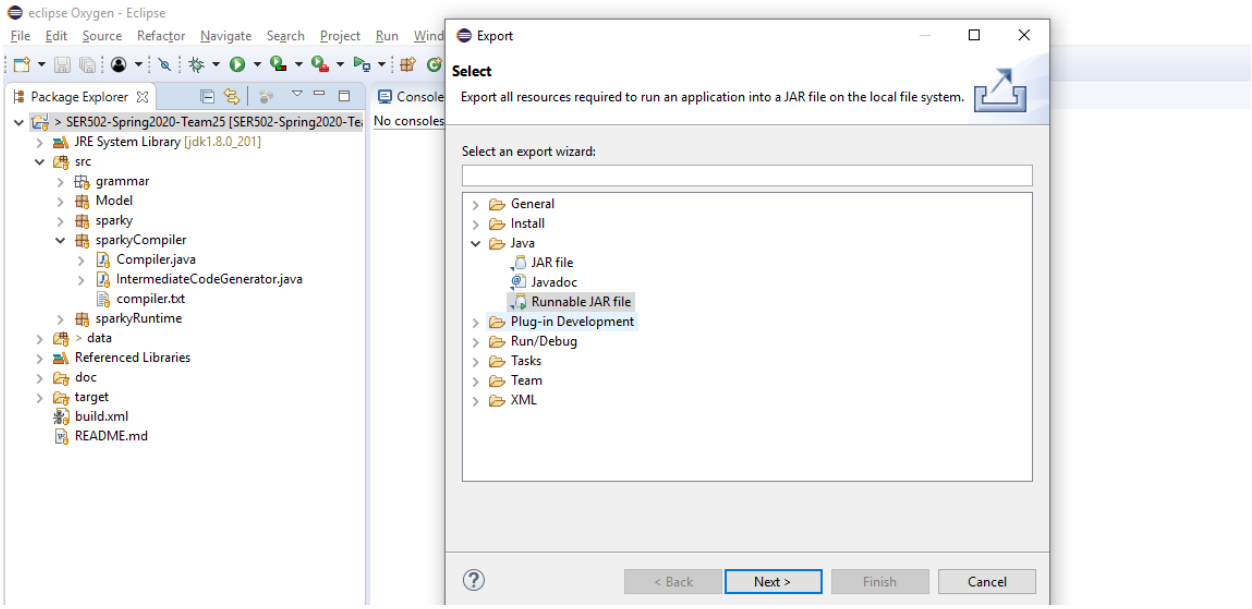


Steps to build JARS for sparky

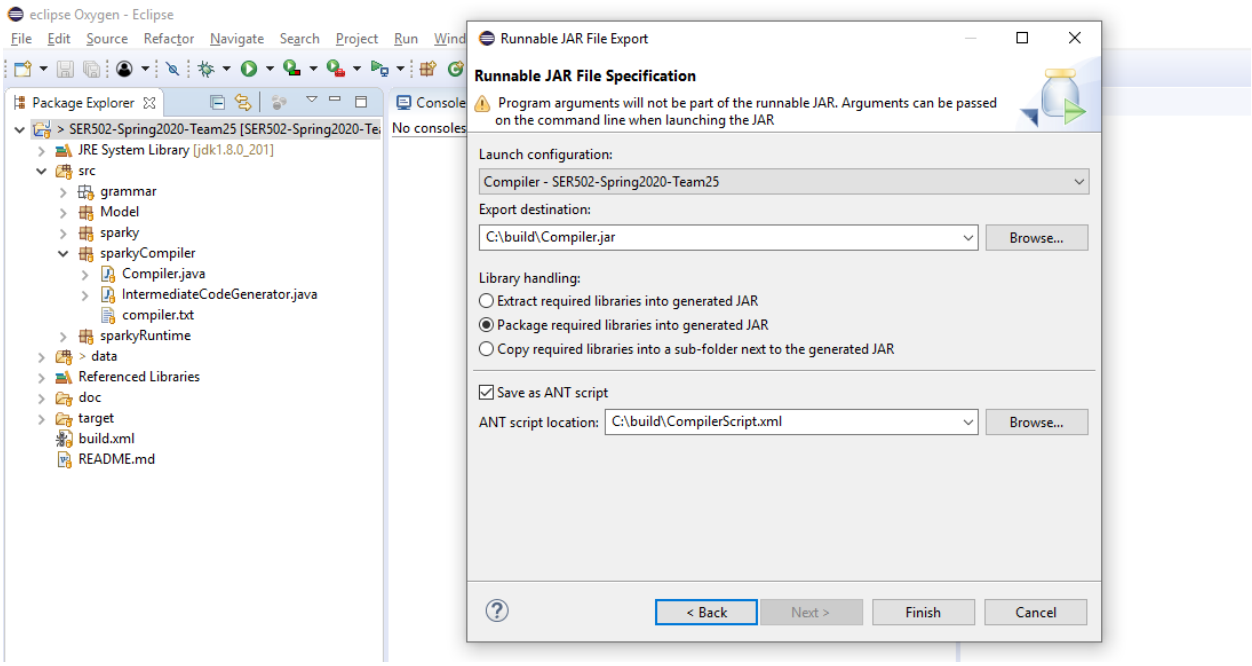
1. Right click on the project folder at the top.



2. Click on Export -> Under the Java Option, select Runnable JAR File option. -> Click Next.

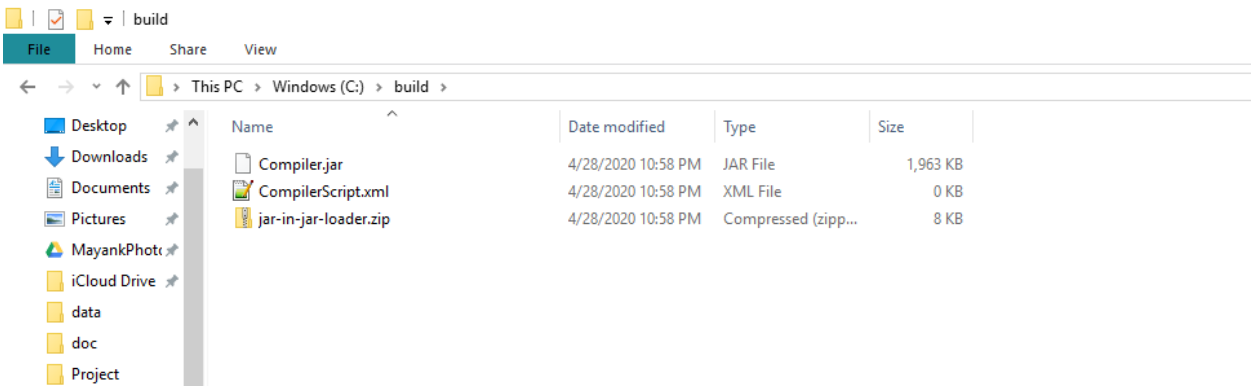


3. Select the destination directory in which you want to export the jar.



4. Under Library handling chose "package required libraries into generated Jar"

6. Click on Finish



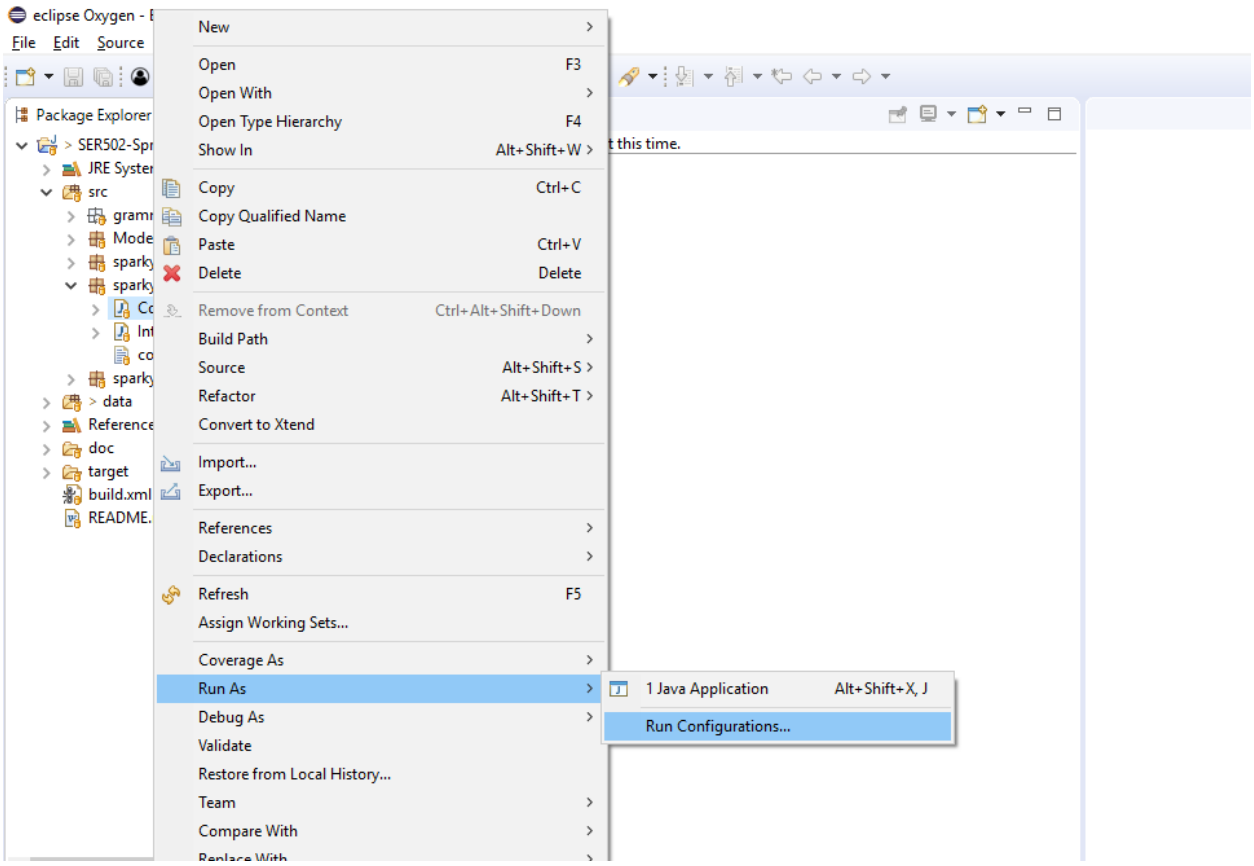
Note : Jar will be generated under selected destination folder mentioned in step 3

→Please refer to Installation steps as shown in YouTube video

How to run any program using Sparky language

Run via Eclipse:

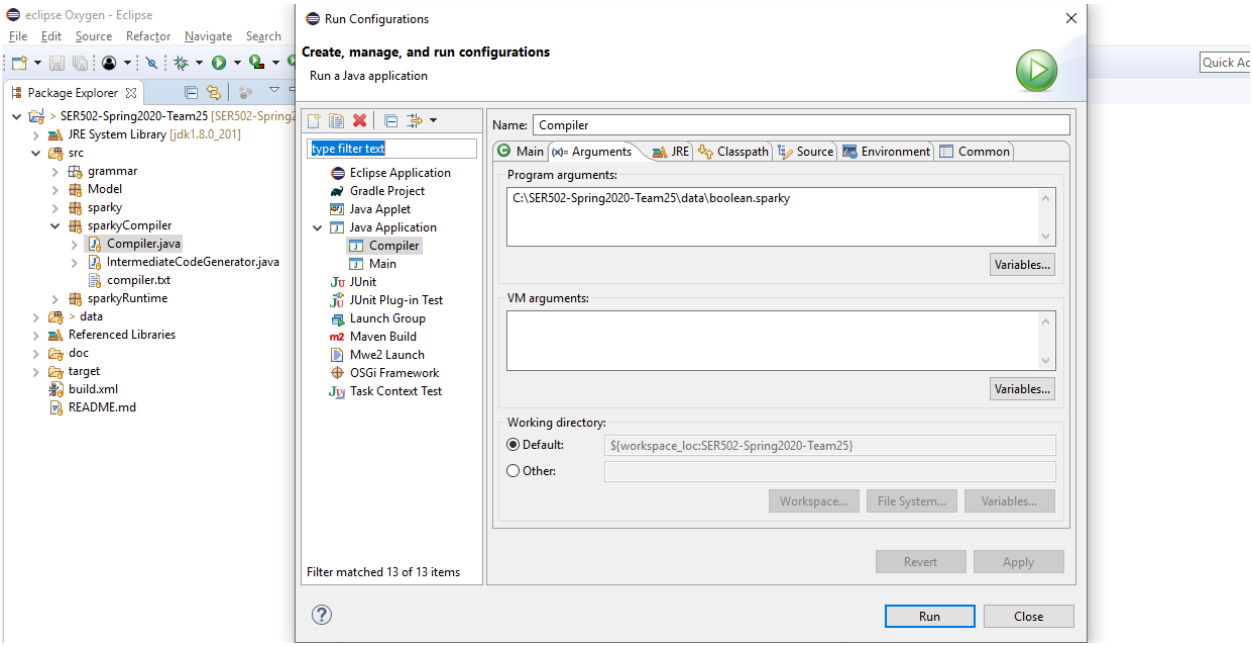
1. Select the Compiler.java class under src>sparkyCompiler>Complier.java



2. Right click and select run as Run Configurations

3. Select Arguments tab

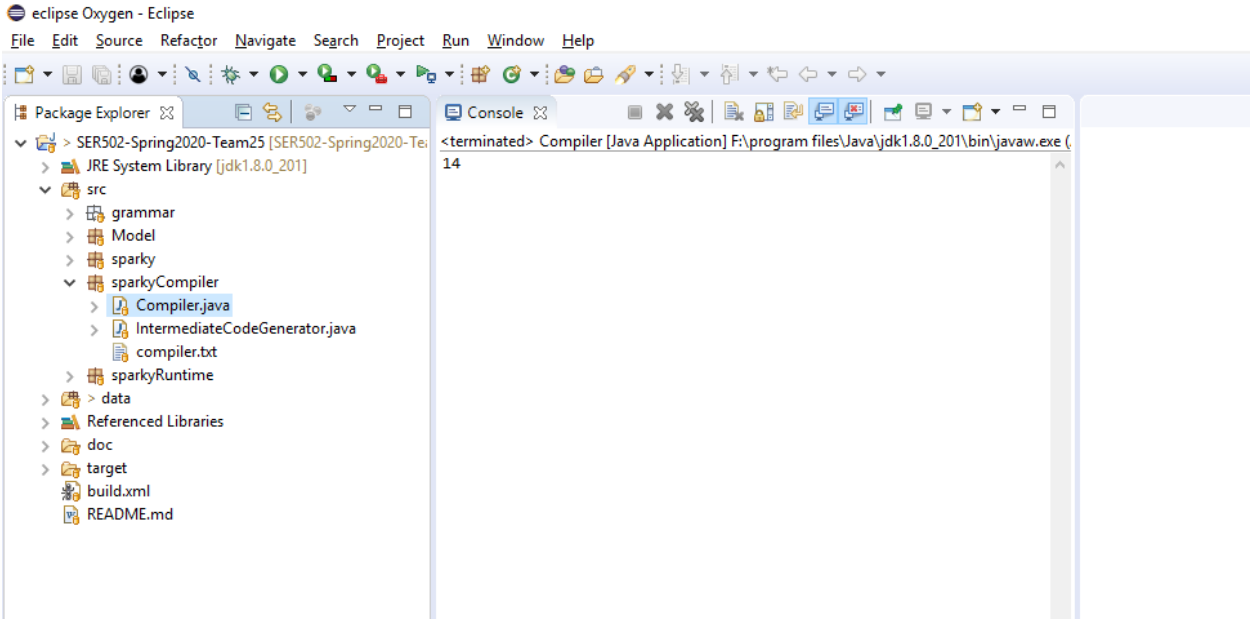
4. Provide the complete path of the file located on your disk with extension as sparky



**** Make sure the file should be stored on path containing no white spaces or invalid characters such as _ / - etc. ****

5. Click on Run

6. Output can be seen in Eclipse console



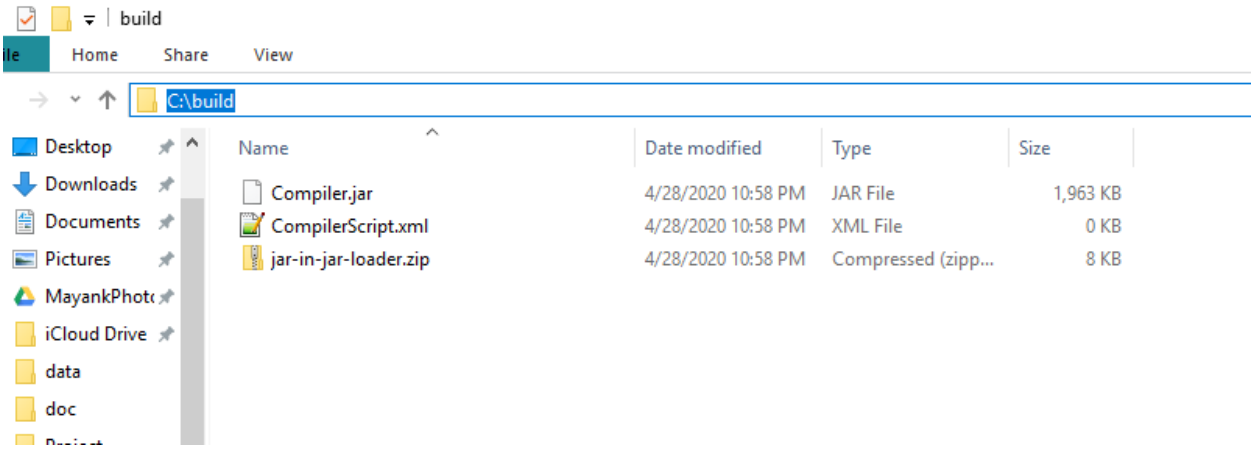
Run using compiler Jars:

Pre requisite:

1. Jar should be generated as illustrated in above steps
2. Source code with extension as ".sparky" is created and path to this file is known

Steps to run on console(Windows command prompt):

1. Navigate to the folder where compiler.jar was created



2. open command prompt (CMD) on this location

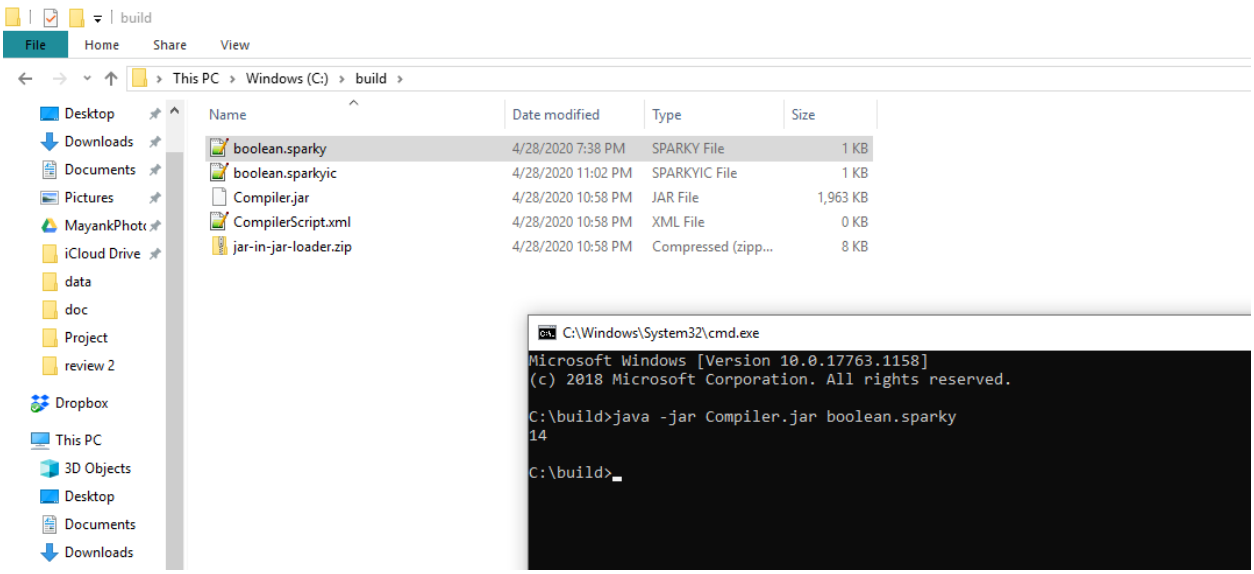
3. Type the following command Java - jar compiler.jar "path\Filename.sparky"

Path stands for the path to the file

Filename stands for the name of the file which contains the source code

4. Hit Enter

5. Code is executed on command prompt


build
File
Home
Share
View
This PC
Windows (C:)
build
Desktop
Downloads
Documents
Pictures
MayankPhot
iCloud Drive
data
doc
Project
review 2
Dropbox
This PC
3D Objects
Desktop
Documents
Downloads
Name
Date modified
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SPARKY File
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Compiler.jar
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JAR File
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CompilerScript.xml
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XML File
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jar-in-jar-loader.zip
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8 KB
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.17763.1158]
(c) 2018 Microsoft Corporation. All rights reserved.
C:\build>java -jar Compiler.jar boolean.sparky
14
C:\build>