Why the JAR doesn't run?

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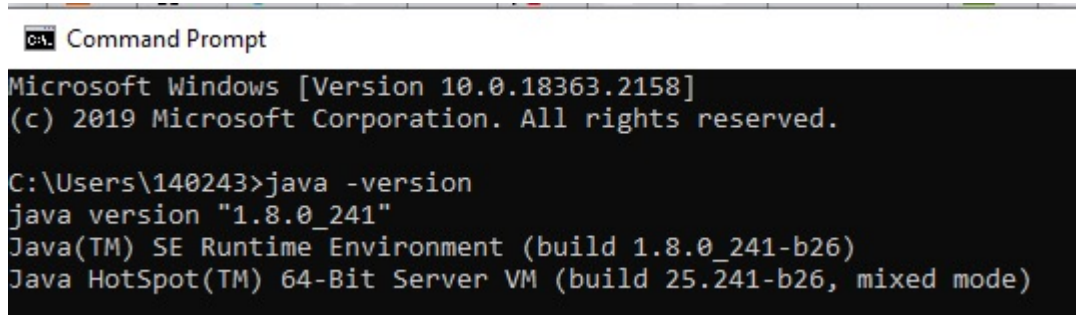# Before you start, answer the following questions

- 1. What is the JDK version running on your laptop?
- 2. What's the layout of your code?

- If you know the correct answer to the above questions, start here ⏭️

1.What is the JDK version running on your laptop?

Correct Answer: JDK 1.8
If your answer is different, please check IDE Specification.pdf in the
Study 7 Assessment page:

Check the JDK version:


```
Command Prompt

Microsoft Windows [Version 10.0.18363.2158]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\140243>java -version
java version "1.8.0_241"
Java(TM) SE Runtime Environment (build 1.8.0_241-b26)
Java HotSpot(TM) 64-Bit Server VM (build 25.241-b26, mixed mode)
```

Java 8 installation Study 7 Assessment – 2%

- Check the JDK Path:

    - https://youtu.be/p_0uFioeQug

- If more than one JDK installed, please set JDK1.8 as default:

    - OS: https://www.onlinetutorialspoint.com/java8/java-8-how-to-set-java_home-on-windows10.html

    - NetBeans: https://canvas.uts.edu.au/courses/22120/assignments/91813?module_item_id=824160

2. What's the layout of your code?

Correct answer: JavaFX application with default package
If your answer is different, please check Lab 8 guide and Quiz:
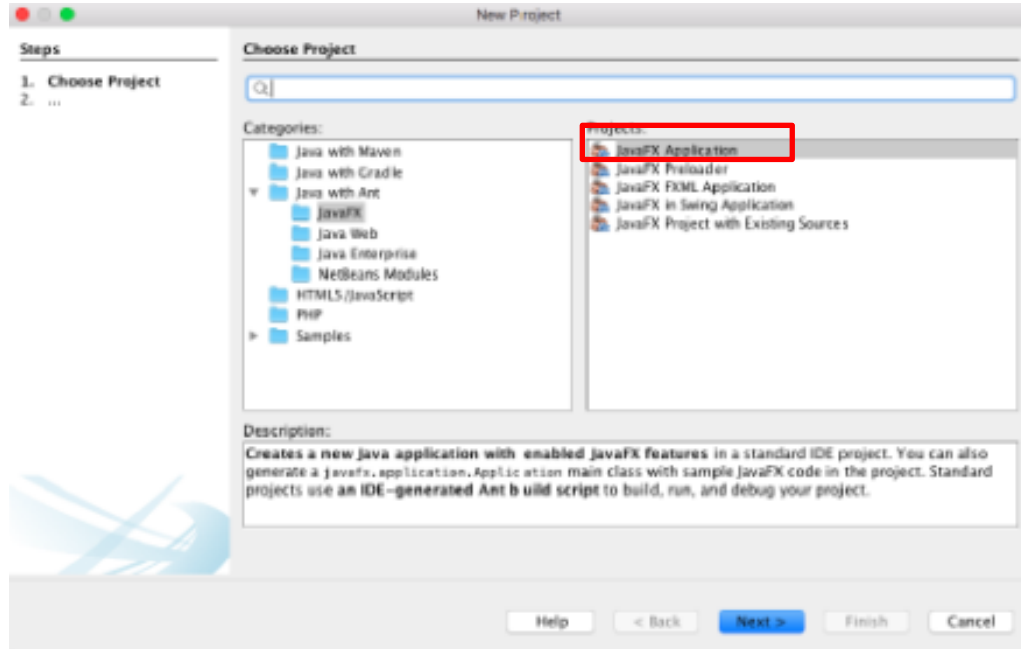
2. What's the layout of your code?
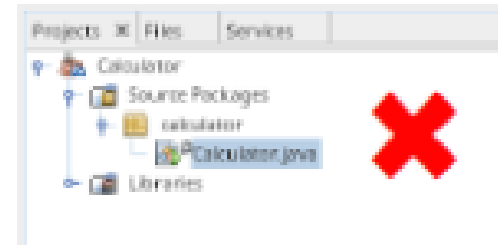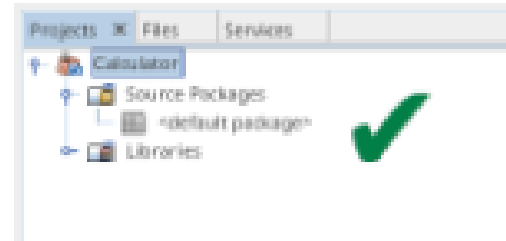
How to run a jar file?

• Windows: Double-click on the downloaded Jar.

• Mac: Right-click and open with Jar Launcher.

• Linux: Open a terminal and type: java -jar filename.

Why my jar could not run in Win10?

- If you have set other applications to open a JAR file, you may not see the window but open the application instead.
  - Win10: https://windowsreport.com/jar-files-not-opening-windows-10/
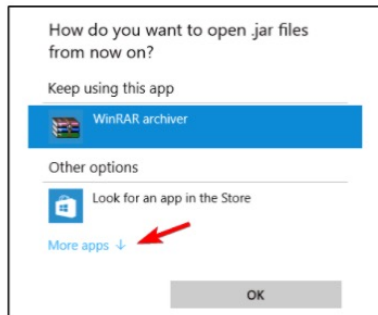
  1. Right-click the jar file and choosing **Open With > Choose another app**.
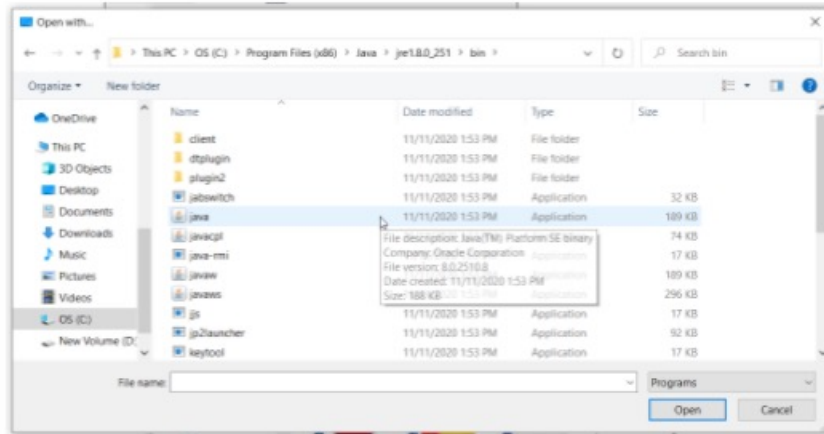
  - File associate issue:

  2. A list of suggested applications will appear. Click on **More apps**.

Why my jar could not run in Win10?

4. Locate the **java.exe** file. It is usually located in Program FilesJavaJava versionBin folder.

5. Select the application and click **OK** button to set it as a default for .jar files.
6. Click the Jar file to launch its program.

Note: Jar files can't run on your PC if you don't have the proper associations. For example, jar files can be associated to run with other applications or they could lack file association completely.

Why my jar could not run in Win10?

OS does not set JDK 1.8 as the default Java Platform!!!

- To be sure when you run a jar file from the command prompt, you can check by typing: java -version and you should get the following:

```
[juan@Zion ~]$ java -version
java version "1.8.0_281"
Java(TM) SE Runtime Environment (build 1.8.0_281-b09)
Java HotSpot(TM) 64-Bit Server VM (build 25.281-b09, mixed mode)
```

- This means Java 8 is the default version that runs in your OS. If you installed multiple versions, you will have problems when trying to run other student's jar files.
- In that case, make sure to modify your JAVA_HOME environment variable and the PATH. https://www.webucator.com/how-to/how-set-path-from-java_home.cfm#

Why my jar could not run in MAC?

Mac: Right-click and open with Jar Launcher.

Make sure the Jar Launcher runs with JDK1.8
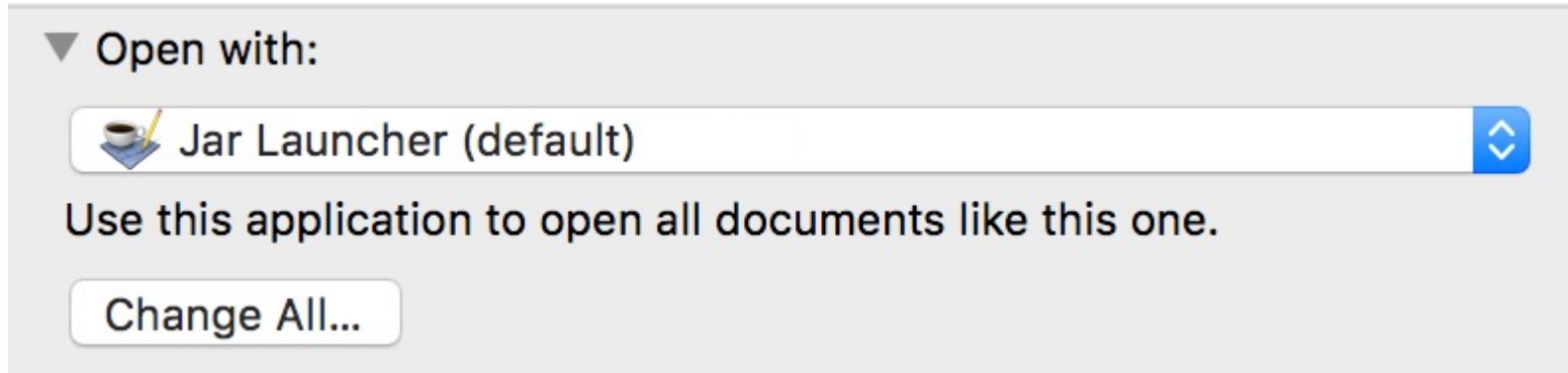
Why my jar could not run in MAC?

If you receive an error message, it might be caused by multiple Java versions installed.

Solution:
- Open a terminal and type: java -jar filename
- Only keep jdk1.8 and remove other jdks.
- Download Jarfix to run the file.