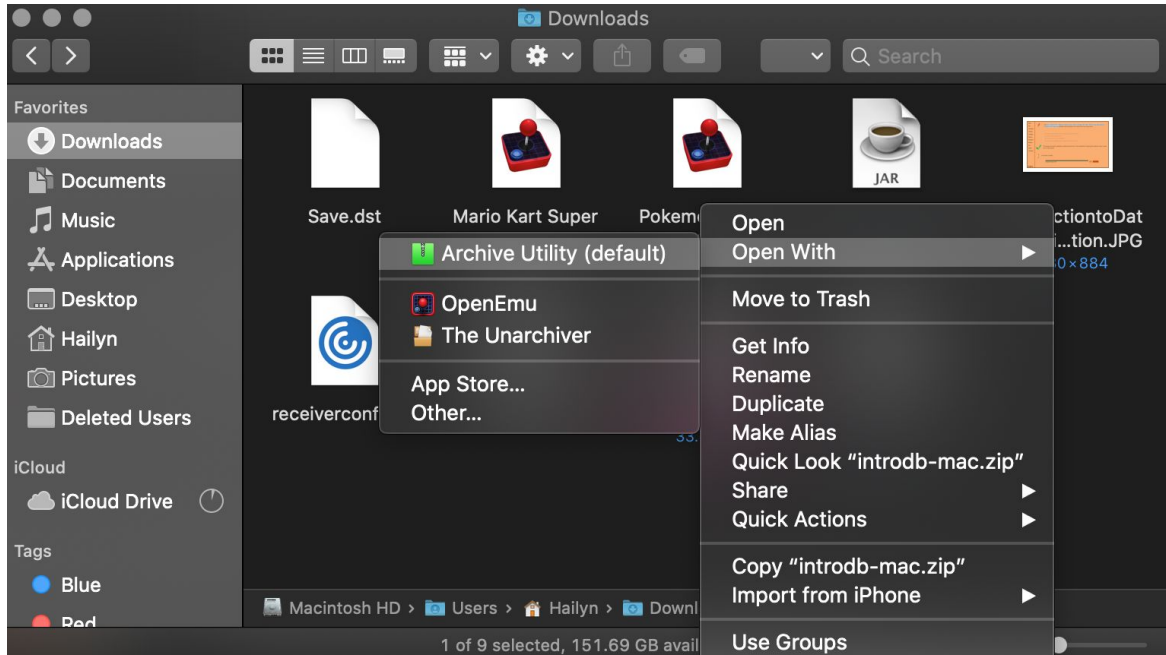


## Instructions to Run Intro to Databases Visualization on MacOS Catalina [10.15.6]

1. Download the introdb zip folder
2. Extract the folder's contents



3. Open a Terminal window and navigate to the extracted folder's bin containing four files: introdblauncher, java, jrascript, and keytool

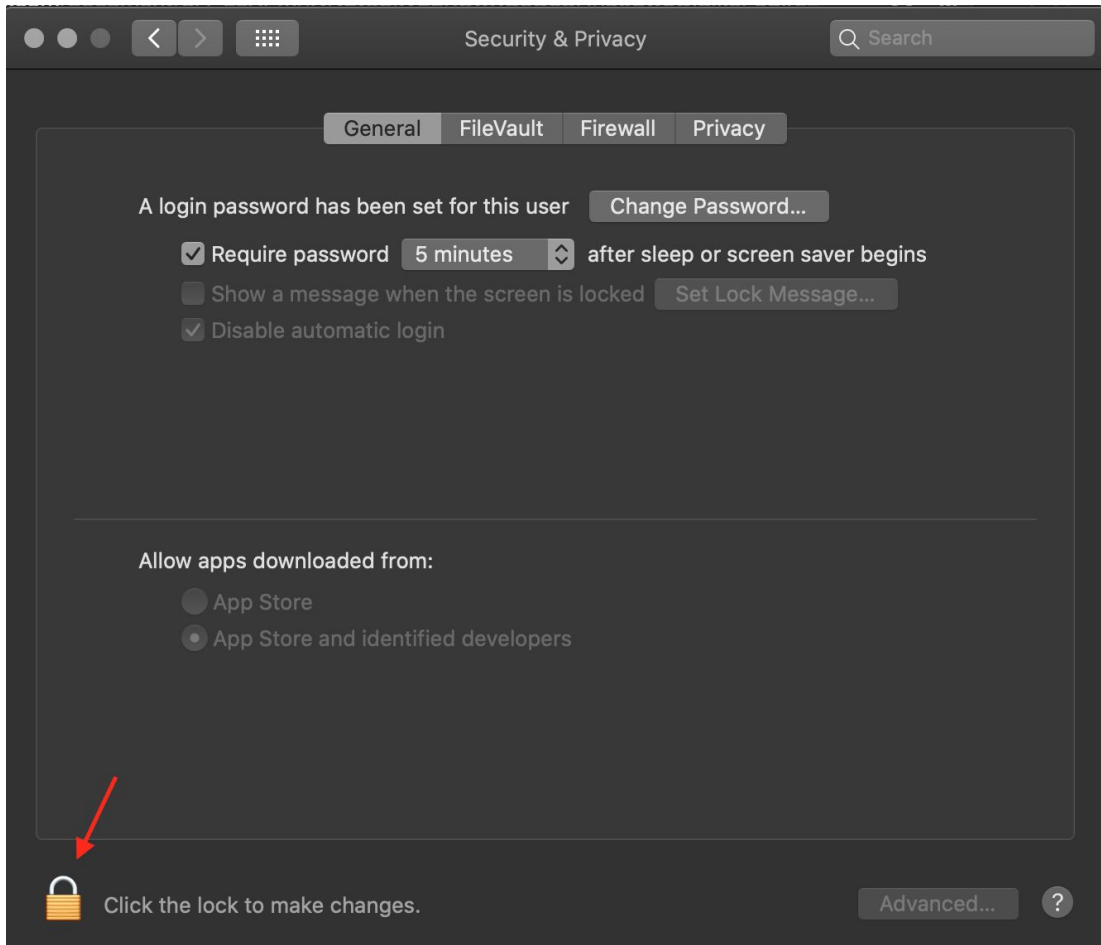
```
bin — -zsh — 80x24
Last login: Wed Aug 26 18:25:36 on ttys001
[Hailyn@Hailyns-MacBook ~ % cd Downloads/introdb-mac/bin
[Hailyn@Hailyns-MacBook bin % ls
introdblauncher java jrascript keytool
Hailyn@Hailyns-MacBook bin %
```

4. In the Terminal window for each of these four files, type: "chmod 700 <filename>"

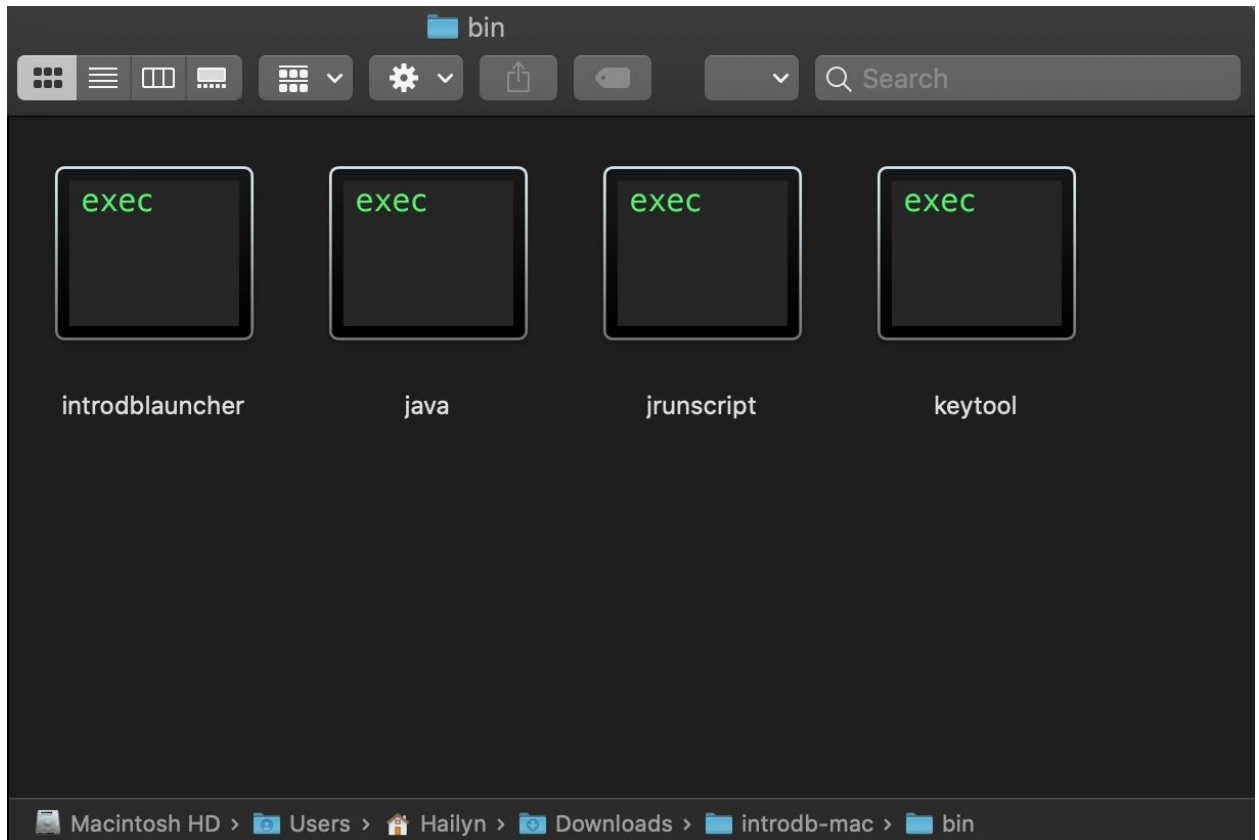
- a. This changes the files to an executable so that introdblancher will run

```
bin — -zsh — 80x24
Last login: Wed Aug 26 18:25:36 on ttys001
[Hailyn@Hailyns-MacBook ~ % cd Downloads/introdb-mac/bin
[Hailyn@Hailyns-MacBook bin % ls
introdblancher java          jrunscript      keytool
[Hailyn@Hailyns-MacBook bin % chmod 700 introdblancher
[Hailyn@Hailyns-MacBook bin % chmod 700 java
[Hailyn@Hailyns-MacBook bin % chmod 700 jrunscript
[Hailyn@Hailyns-MacBook bin % chmod 700 keytool
[Hailyn@Hailyns-MacBook bin %
```

5. Open System Preferences, navigate to Security & Privacy, and click on the “General” tab
6. Click on the small lock in the lower left corner and type in your password to allow changes



7. In a Finder window, navigate to the bin folder containing the four now executable files, and double click on introdblancher



8. Whenever you get a warning with the option to open a file, always click on open. Keep trying to run introdblancher until all files necessary have been allowed to be opened
  - a. Check the System Preferences window after each attempted launch and allow the files trying to be opened
  - b. If you are prompted to move a file to the trash, click on cancel
    - i. Examples are shown below
  - c. Close any introdblancher Terminal windows that pop up as long as the program doesn't run
  - d. Eventually, the visualization will open


Possible warnings you may receive:

 **macOS cannot verify the developer of "java". Are you sure you want to open it?**

By opening this app, you will be overriding system security which can expose your computer and personal information to malware that may harm your Mac or compromise your privacy.


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 **"libprism\_sw.dylib" cannot be opened because the developer cannot be verified.**

macOS cannot verify that this app is free from malware.

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Allow apps downloaded from:

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- App Store and identified developers

"libprism\_sw.dylib" was blocked from use because it is not from an identified developer.

Allow apps downloaded from:

- App Store
- App Store and identified developers

"libjavafx\_font.dylib" was blocked from use because it is not from an identified developer.

Allow Anyway

But always allow and don't put any files in the trash.