

## Installing Git Bash:

- This is the recommended command line git console for windows
- <https://git-scm.com/downloads>
- Download and run the exe. Simply click "Next" for everything.

## Installing JDK8

Can either use Oracle

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

- Select "Accept license agreement" button and download appropriate exe for windows
- Run the exe -> by default it will create a **Java** directory in your program files. Inside the Java directory there will be another directory that starts with **jdk1.8** and another that starts with **jre1.8**
- Copy the path to the **jdk1.8** folder. You'll need it to set the environment variables
  - Example: C:\Program Files\Java\jdk1.8.0\_60

Or

OpenJdk

<https://adoptopenjdk.net/?variant=openjdk8&jvmVariant=openj9>

- This will save a .zip file
- Extract the contents to a directory of your choice
- The folder will be called **jdk8u192-b12-jre**
- Copy this path to this folder. You'll need it to set the environment variables
  - Example: C:\Program Files\jdk8u192-b12-jre

## Setting the Java Environment Variables

- Follow this tutorial: [https://www.mkyong.com/java/how-to-set-java\\_home-on-windows-10/](https://www.mkyong.com/java/how-to-set-java_home-on-windows-10/)
- In step 3, paste the path you copied when you installed the jdk in "Variable value"

## Installing Apache Maven

<https://maven.apache.org/download.cgi>

- Click on the .zip link for the **Binary zip archive**
- Extract the contents to a directory of your choice.
  - **NOTE: If you get a “path too long” error while extracting the contents, try naming the destination folder to “maven” instead of the default “apache-maven-3.6.0-src”**
  - **Copy the path to this folder. You’ll need it to set the environment variables**
    - Example C:\Program Files\apache-maven-3.6.0

## Setting the Maven Environment Variables

- Follow this tutorial: <https://www.mkyong.com/maven/how-to-install-maven-in-windows/>
- **In step 3, paste the path you copied when you installed maven in “Variable value”**

## Recommended to do before workshop:

In your git client (e.g. Git bash), type the following commands:

```
-> git clone https://github.com/OpenLiberty/tutorial-microprofile.git  
-> cd tutorial-microprofile  
-> mvn package
```

(optional step if you’ve installed docker)

```
docker build -t prime:mym2 (optional)
```