# Guide to Eclipse IDE

# Install Java (JDK)

1. Go to <u>http://www.oracle.com/technetwork/java/javase/downloads/index.html</u> and click the Java **Download** button.



2. Click **Accept License Agreement**, and then click the appropriate download link for your operating system.

Java SE Development Kit 8u77 You must accept the Oracle Binary Code License Agreement for Java SE to download this O Accept License Agreement					
Product / File Description	File Size	Download			
Linux ARM 32 Soft Float ABI	77.7 MB	jdk-8u77-linux-arm32-vfp-hflt.tar.gz			
Linux ARM 64 Soft Float ABI	74.68 MB	jdk-8u77-linux-arm64-vfp-hflt.tar.gz			
Linux x86	154.74 MB	jdk-8u77-linux-i586.rpm			
Linux x86	174.92 MB	jdk-8u77-linux-i586.tar.gz			
Linux x64	152.76 MB	jdk-8u77-linux-x64.rpm			
Linux x64	172.96 MB	jdk-8u77-linux-x64.tar.gz			
Mac OS X	227.27 MB	jdk-8u77-macosx-x64.dmg			
Solaris SPARC 64-bit (SVR4 package)	139.77 MB	jdk-8u77-solaris-sparcv9.tar.Z			
Solaris SPARC 64-bit	99.06 MB	jdk-8u77-solaris-sparcv9.tar.gz			
Solaris x64 (SVR4 package)	140.01 MB	jdk-8u77-solaris-x64.tar.Z			
Solaris x64	96.18 MB	jdk-8u77-solaris-x64.tar.gz			
Windows x86	182.01 MB	jdk-8u77-windows-i586.exe			
Windows x64	187.31 MB	jdk-8u77-windows-x64.exe			

3. After the file downloads, run the installer.

# Install Eclipse

- 1. Go to http://www.eclipse.org/downloads/
- 2. Download "Eclipse IDE for Java Developers."
- 3. Choose 32-bit or 64-bit depending on your version of Windows.



4. Download and unzip the folder under your c: drive.

#### Launch Eclipse

- 1. Launch Eclipse from the Start menu.
- 2. Close the Tutorial tab.



3. Close the Task List and Outline on the right side of the window.



# Create a Project in Eclipse

1. Right click in the Package Explorer (left pane), and then select New  $\rightarrow$  Java Project.



- 2. Give the project a name. For assignments, use your first and last name, and the assignment number. Click Finish.
  - Note: Pay attention to your Location. You can change it if you wish. You will need to navigate to this location in order to submit your code.

	New Java Projec	t
reate a Java Pro Create a Java pro	oject ject in the workspace or in an external loo	cation.
Project name:	JoeShmo-Assn2	
🗹 Use default i	ocation	
Location: /Use	rs/laptop/Documents/java/workspace/Joe	eShmo-Assn2 Browse
JRE		
💿 Use an exe	ecution environment JRE:	JavaSE-1.8
🔵 Use a proj	ect specific JRE:	Java SE 8 [1.8.0_31]
🔵 Use defau	It JRE (currently 'Java SE 8 [1.8.0_31]')	Configure JREs
Project layout		
🔵 Use projec	t folder as root for sources and class file	s
💿 Create sep	parate folders for sources and class files	Configure default
Working sets		
Add projec	t to working sets	
Working sets:		Select
0	< Back Next >	Cancel Finish

#### Add a Class to a Project

 In the Package Explorer (left pane), right click on the project folder and select New → Class.



- 2. Give the class a name.
- 3. Options:
  - a. If this is a driver class, click "public static void main..."
  - b. Click Generate comments
- 4. Click Finish.

	New Java Class			
Java Class	efault package is discouraged.	C		
Source folder:	JoeShmo-Assn2/src	Browse		
Package:	(default)	Browse		
Enclosing type:		Browse		
Name:	SomeClass			
Modifiers:	public package protected abstract final static			
Superclass:	java.lang.Object	Browse		
Interfaces:		Add		
		Remove		
Which method stub	s would you like to create?			
	, _ public static void main(String[] args)			
	Constructors from superclass			
Do you want to add comments? (Configure templates and default value here)				
1	Generate comments			
?	Cancel	Finish		

# Close a Project

1. When you are finished working on a project, right click it in the Package Explorer and select Close Project. This will close any files related to the project.



#### Submit your Project

1. Navigate to the location specified when you created your Java project.



- 2. Right click on your project folder and compress it to a zip file.
- 3. Upload your zipped file to Canvas.