

## 1. Install Eclipse

- Go to <http://www.eclipse.org/>
- Select "Eclipse IDE for Java Developers"
- Select the Georgia Tech Software library mirror, this should produce a download.
- Extract the zip file to a location of your choosing. I suggest putting the files under a 1316 folder where its easily accessible (ie. desktop, program files, etc)

## 2. Install the JDK

- If you have not downloaded the Java Development Kit (JDK) - and most likely you do not have this installed - you will need to download the package from <http://java.sun.com/javase/downloads/index.jsp>

## 3. Create your project

- Run eclipse.exe (../1316/eclipse/eclipse.exe)
- A dialog will prompt you for a workspace, browse to select your 1316 folder
- File->New->Java Project
- Project Name: 1316
- Everything else should be default values

- Click Finish

#### 4. Download the 1316 javasource from the coweb

- The zip file that contains most of the Java classes that we'll be using in the class is available on your CD and here [java-source-11Aug2008.zip](#)
- <http://coweb.cc.gatech.edu/cs1316/uploads/2/java-source-11Aug2008.zip>
- Extract the files
- move everything from the javasource directory (there should be about 370 items) to your project folder (ie. ../1316/1316/src/)

The structure of your directory should look something like this:

```
cs1316/
+-_MACOSX/
+-eclipse/
| +-configuration/
| +-dropins/
| ...
| +-eclipse.exe
| +-eclipse.ini
| ...
| +-notice.html
+1316
  +src
    +-javasource/
      +-doc/
      +-AbstractQueue.class
      +-AbstractQueue.java
      +-Agent.class
      ...
      +-World.java
```

#### 5. Test to make sure everything works

- double click (or drag&drop into the canvas) the Picture.java file
- at the bottom of the file you will see the following:

```
return retPict;
}

} // this } is the end of class Picture, put all ...
```

- modify the file to reflect the three new lines

```
    return retPict;
}

public static void main(String[] args) {
    System.out.println("here");
}
} // this } is the end of class Picture, put all ...
```

- press ctrl+F11
- you should see a flash and at the bottom of the IDE in the console you will see the text "here"