

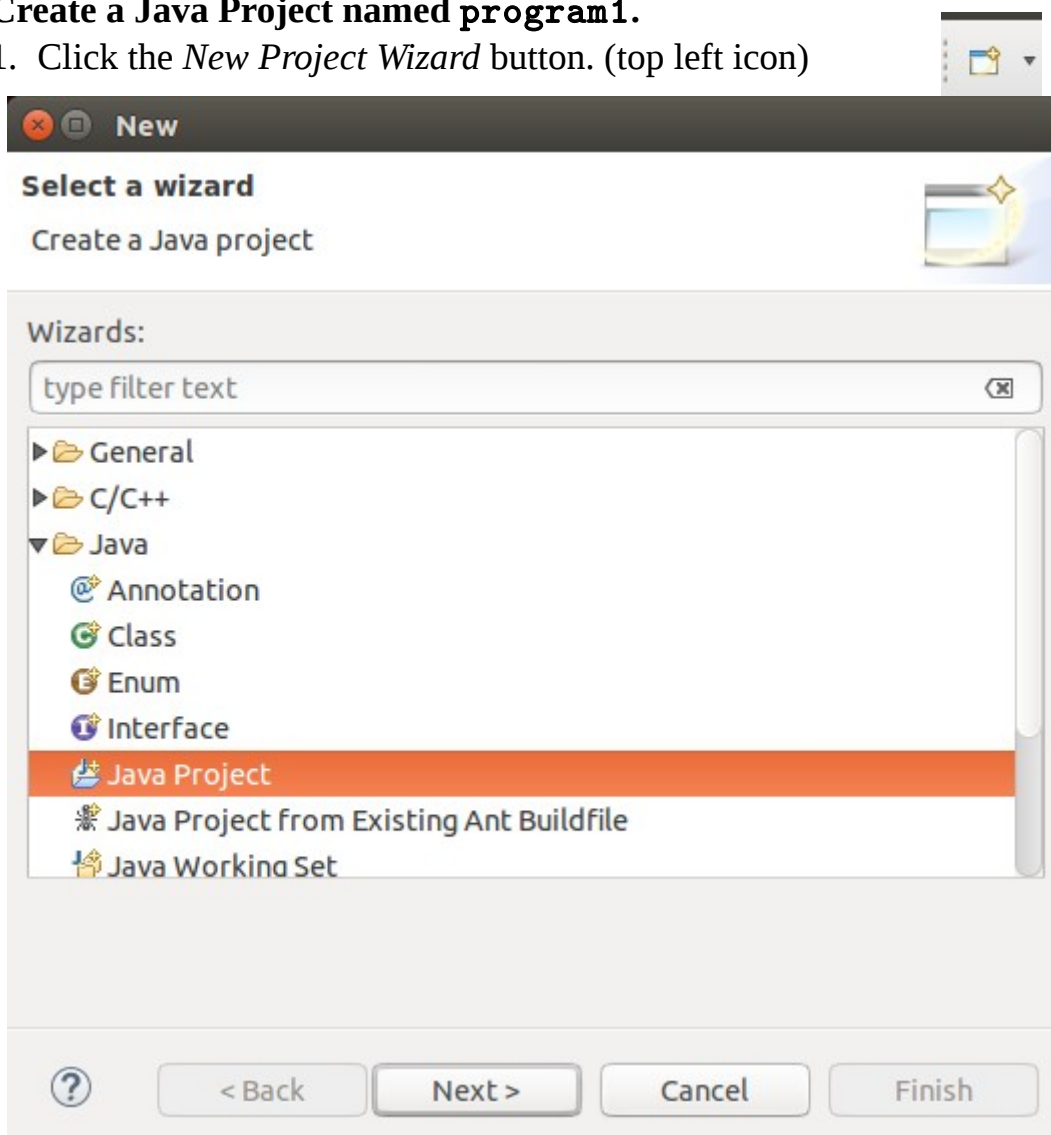
## Create Java Program for p1 in Eclipse on Department Ubuntu workstations.

1. Login on Ubuntu workstation (1366cs).  
Note: We assume the *default desktop* configuration.
2. Click the **Eclipse...** icon. If you do not see an Eclipse icon, follow **Create Eclipse Shortcut** instructions to create one.
3. Select a workspace folder on your file system for your programs.  
Tip: click box for *Use this as the default and do not ask again*.
4. Review any of the **Welcome Overview** help pages, if interested.
5. Close the **Welcome Overview** tab or click the *Workbench* icon to continue.



### 6. Create a Java Project named **program1**.

1. Click the *New Project Wizard* button. (top left icon)



2. Expand Java menu, select Java Project, and click Next.

### 3. Configure **New Java Project** Settings

1. Type Project name: **program1**
2. Select *Use default JRE*
3. Select *Configure JREs...*
  1. Click **Compiler**
  2. Set *Compiler compliance level* to: **1.7** and click **OK**
4. Select *Use project folder as root for ...*
5. Select *Configure default...*
  1. Set *Source and output folder* to: **Project**
  2. Click **OK**
6. Click **Finish** when project settings match as shown here:

**New Java Project**

**Create a Java Project**  
Create a Java project in the workspace or in an external location.

Project name:

Use default location

Location:

JRE

Use an execution environment JRE:

Use a project specific JRE:

Use default JRE (currently 'java-8-oracle') [Configure JREs...](#)

Project layout

Use project folder as root for sources and class files

Create separate folders for sources and class files [Configure default...](#)

Working sets

Add project to working sets

Working sets:

The current workspace uses a 1.4 JRE with compiler compliance level 1.7. This is not recommended and either the JRE or the compiler compliance level should be changed. [Configure...](#)

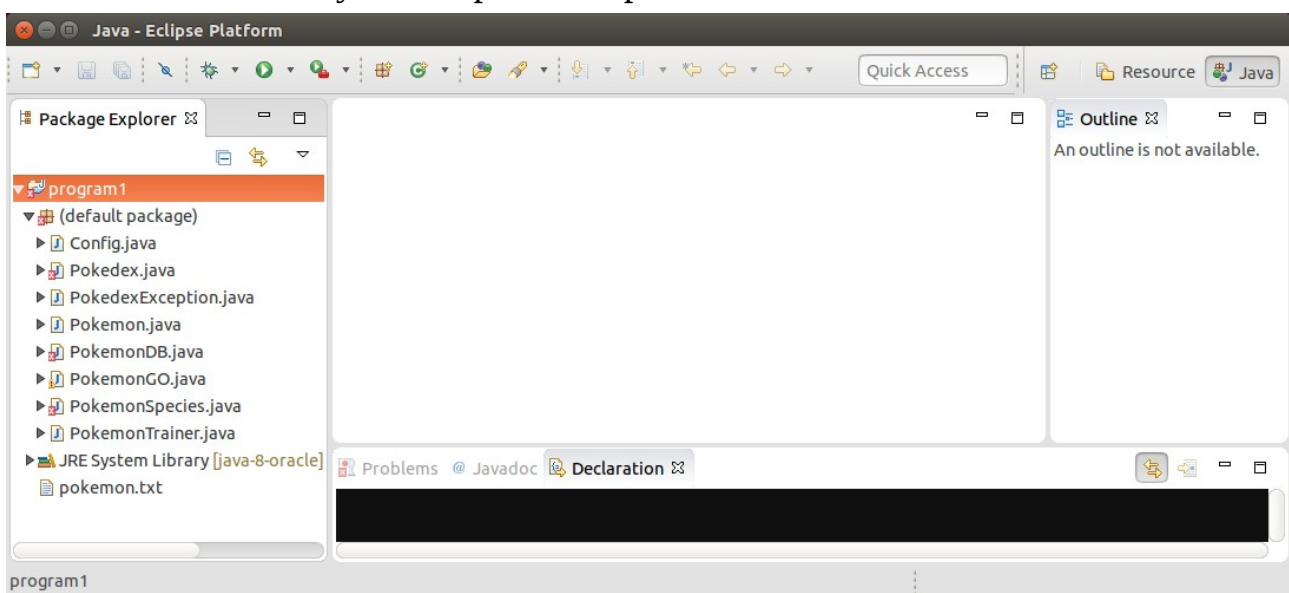
7. Configure *Open Associated Perspective* dialog setting.
  1. Click box for *Remember my decision*.
  2. Click **Yes** to accept *Java perspective*.

## 7. Add Program 1 skeleton files to your Eclipse Program 1 Project

1. Open web browser (Click *Firefox* icon in Launch bar).
2. Login to <http://canvas.wisc.edu> (use NetID and wisc.edu password)
3. Click **Assignments** page to view all assignments.
4. Click **Program 1** page to view programming assignment page.
5. **Read Program 1 assignment** if you have not.
6. Click **Getting Started** link to skip to Getting Started section.
7. Read and follow steps until you get to the *Download file* step.
8. Click the **p1.zip** link to download **zip** file.
9. Select *Save file* option and click OK.
10. Find and double-click your *p1.zip* (it is in your Download folder, we think)
11. Select all files in the expanded folder
12. Right-Click and select Extract to
13. Find and select your workspace/program1 folder
14. Uncheck the “Keep directory structure option
15. Click Extract to complete the operation.
16. Click Quit to exit p1.zip extraction utility.
17. Close the p1.zip and Downloads windows.

## 8. Refresh your program1 project

1. Go back to Eclipse (should still be open somewhere)
2. Right-click on the program1 project in Package Explorer
3. Click Refresh and expand the program1 item.
4. If it worked your Eclipse workspace should look like this:



9. **Fix compiler errors** (add stub return statements to method body).
10. **Incrementally add code and test for all TODO tags.**
11. **Follow assignment instructions.**