An Introduction to Eclipse

Eclipse IDE for Java Developers

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What is Eclipse?

 Eclipse is an integrated development environment (IDE) for developing applications using the Java programming language and other programming languages such as C/C++, Python, PERL, Ruby etc.

Eclipse is free to download and install.

Downloading and Installing Eclipse

http://www.eclipse.org/downloads/

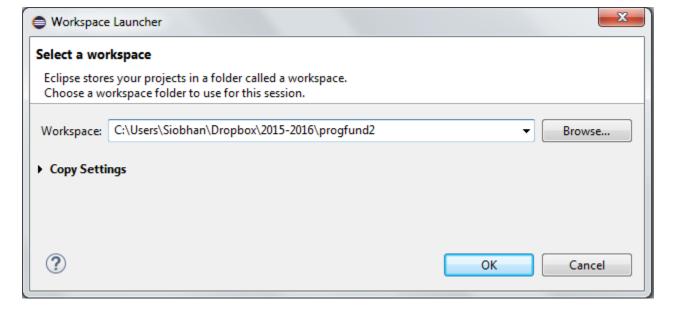


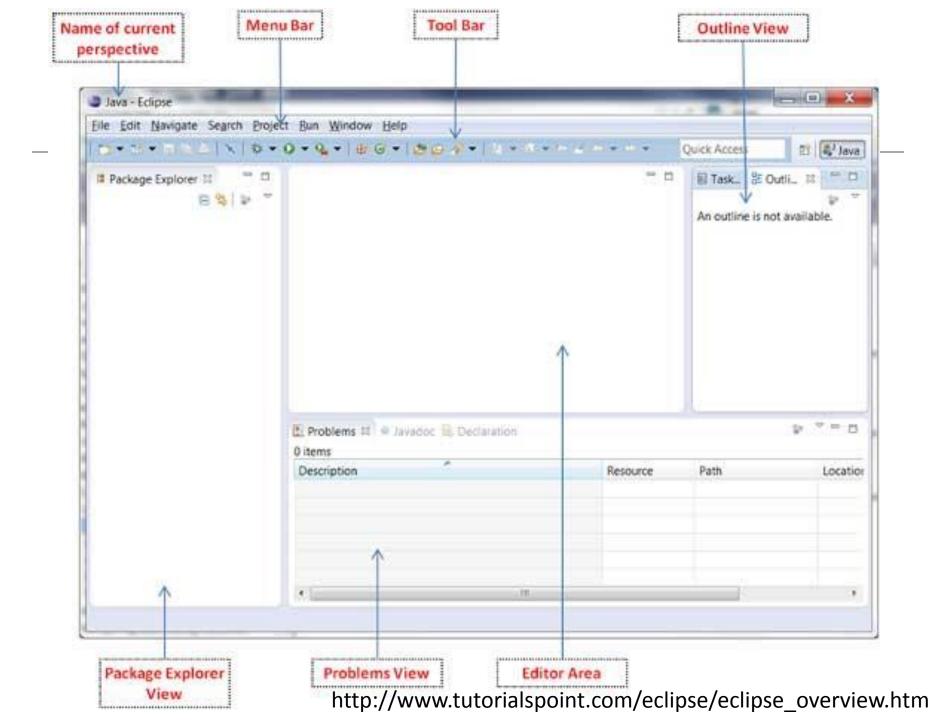
Launching Eclipse

• When eclipse starts up, it prompts you for the location of the workspace folder.

All your data will be stored in the workspace

folder.

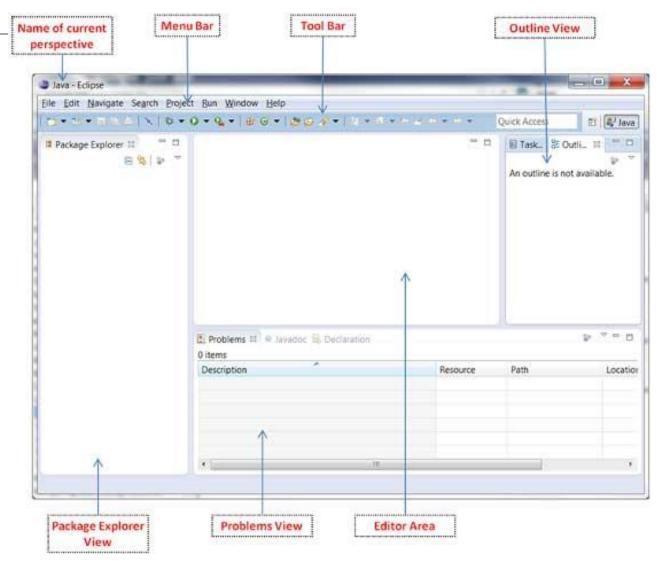




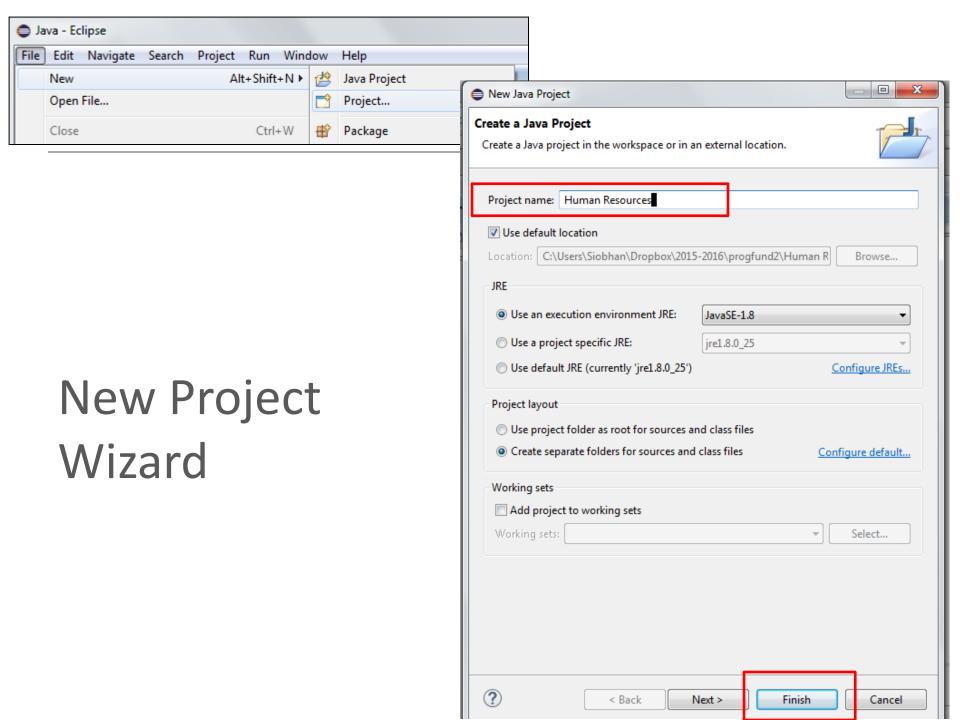
Perspectives

An eclipse perspective is the name given to the arrangement of views and editor area.

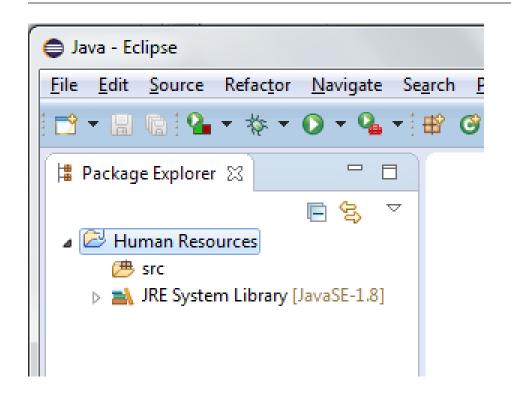
The default perspective is called **java**.



http://www.tutorialspoint.com/eclipse/eclipse_overview.htm



Viewing the New Project

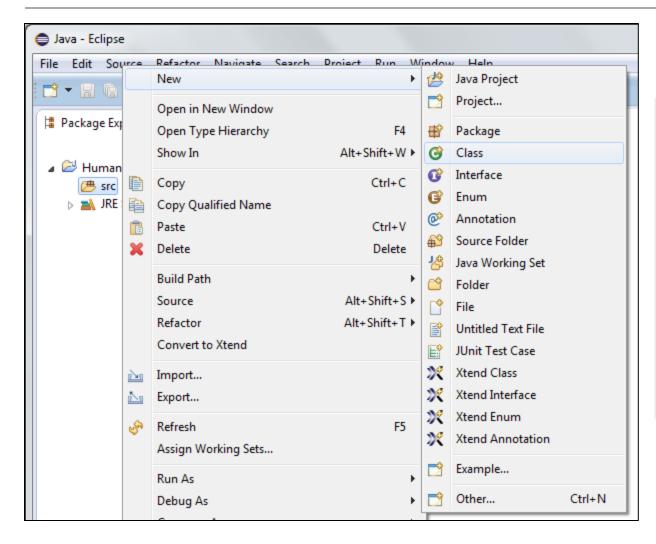


The package explorer shows the newly created Java project.

The icon that represents a Project is decorated with a "J" to show that it is a Java Project.

The folder icon is decorated to show that it is a java source folder.

New Java Class

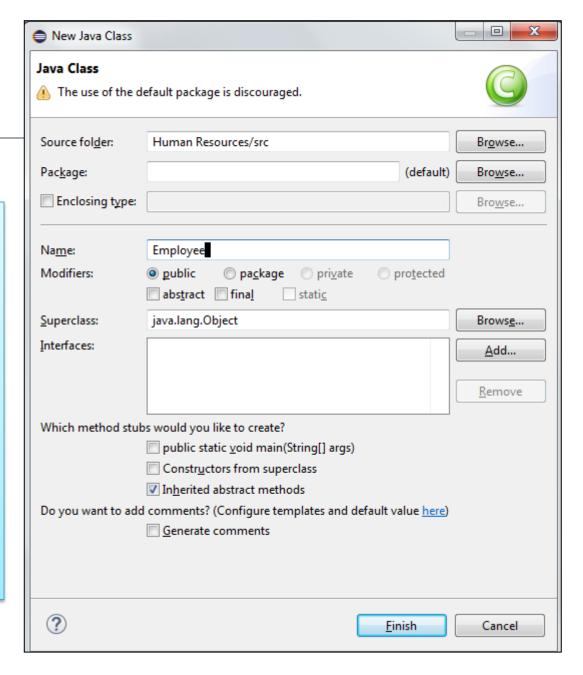


Right click on the **src** folder.

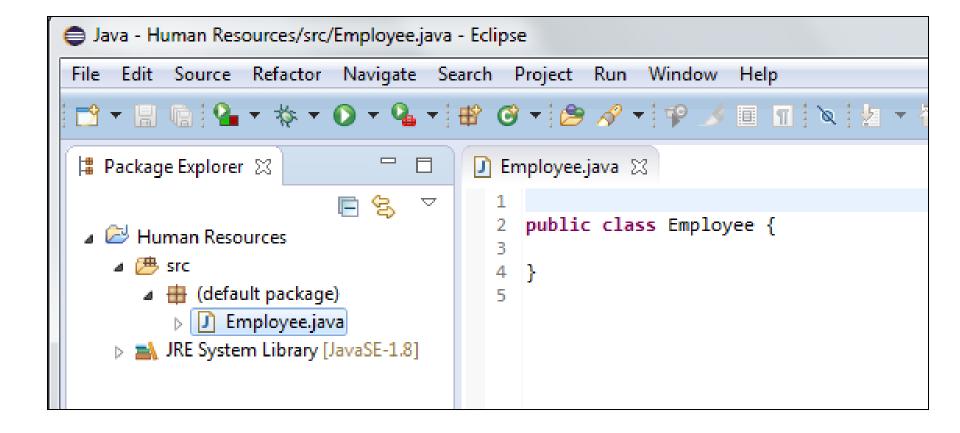
When the context menu appears, select **New**, followed by **Class**.

New Java Class Wizard

- Ensure the source folder and package are correct
- Enter the class name
- If your class will hold the main method, check the appropriate box to include it automatically.
- Click the Finish button when done.



Viewing the New Class



Running a Java Program (1)

We want to run the following code:

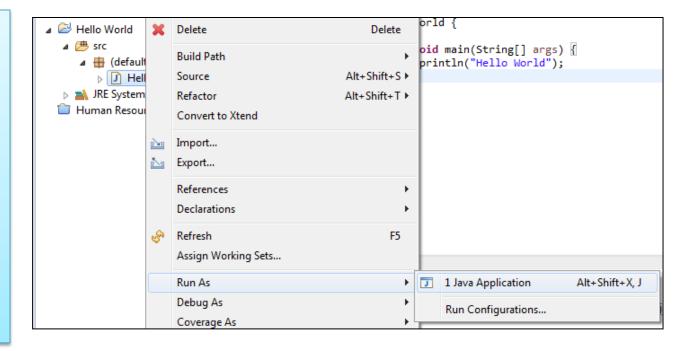
Running a Java Program (2)

 One way to run a Java program is to use the Package Explorer view.

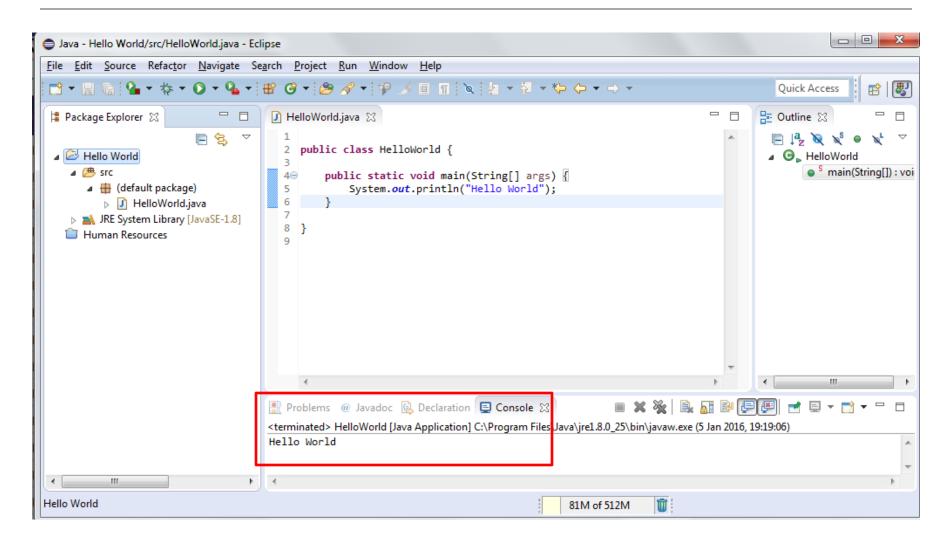
In the Package Explorer view:

Right click on the java class that contains the main method.

Select Run As > Java Application



Running a Java Program (3)



http://www.tutorialspoint.com/eclipse/eclipse_overview.htm

Printing to the Console

- In Processing, we just wrote print and println. Processing did a lot in the background for us.
- In Java, we write:

```
System.out.println();
System.out.print();
```

Questions?





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