

# Eclipse Help

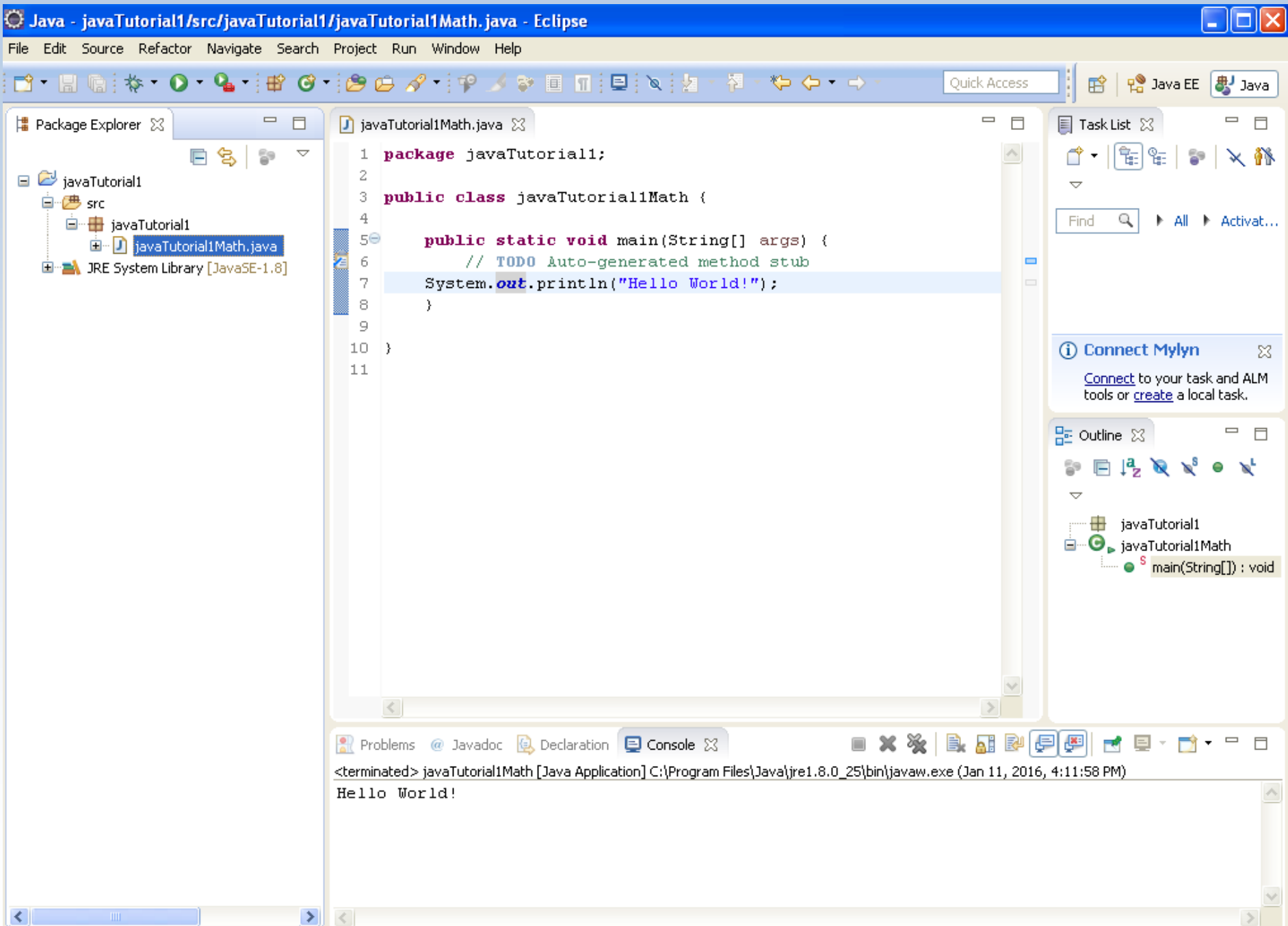
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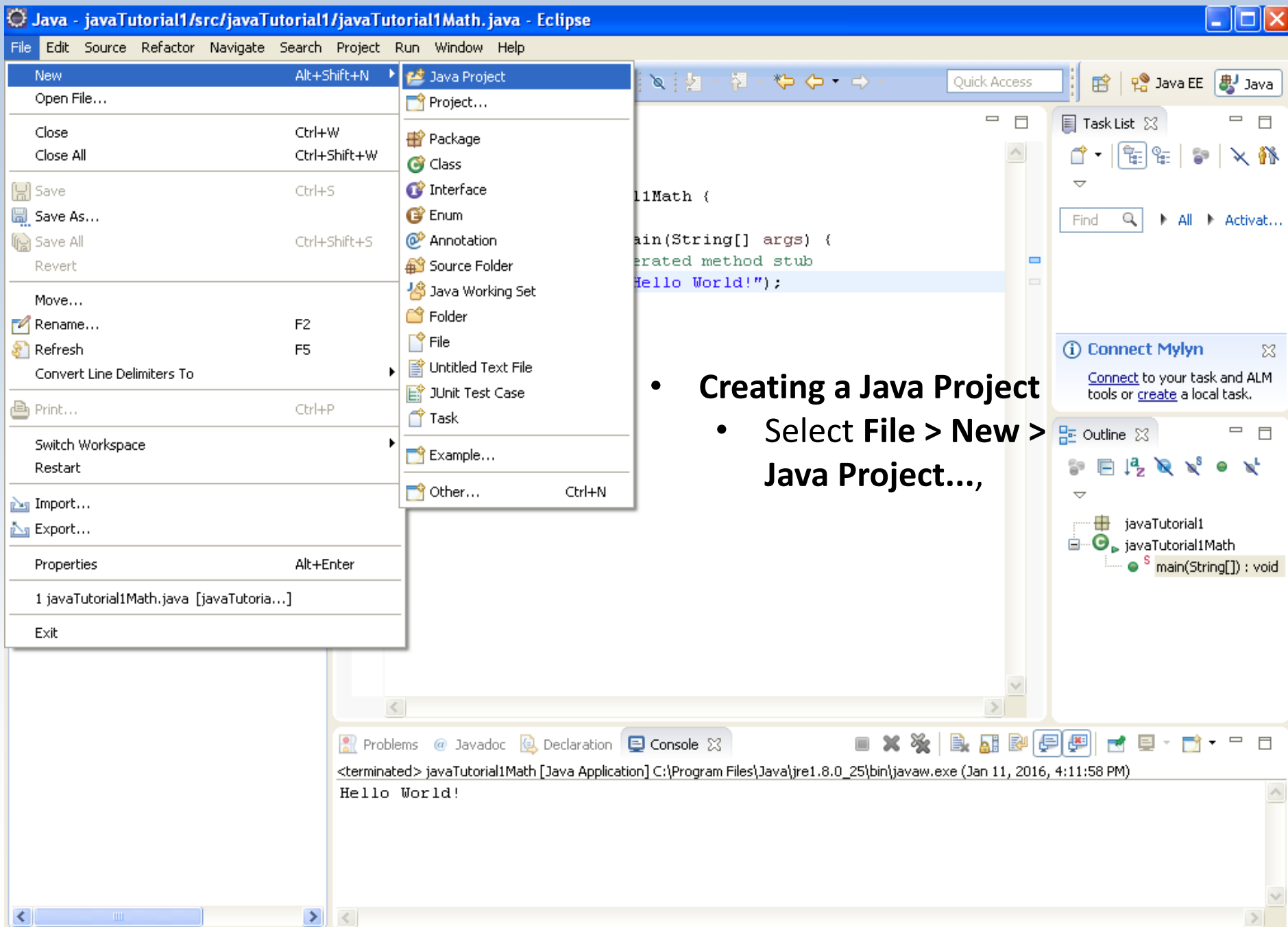
# Background of Eclipse

- Eclipse is an Integrated Development Environment (IDE) that is open source and maintained by many software development leaders like IBM and Borland.
- The idea behind the Eclipse platform is to provide a common environment that companies can modify and customize by creating plug-ins.
- Plug-ins are created to do some specific tasks that a work group might need while developing a software product. The plug-ins and modification of the Eclipse platform can later be distributed free.

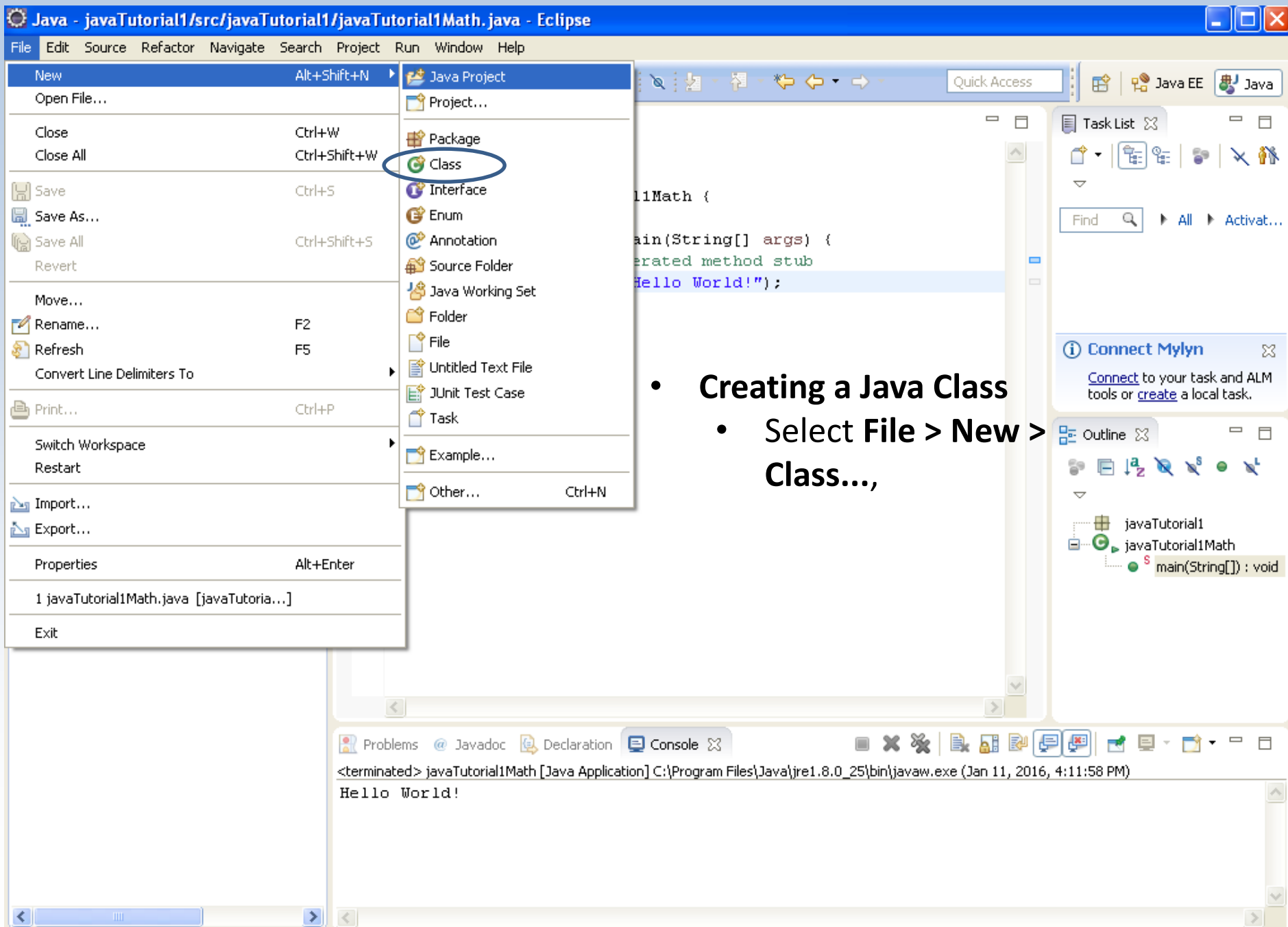
# Installing Eclipse

- Download Eclipse from <http://www.eclipse.org/downloads/>
- Click on "DOWNLOAD 64 BIT (this is for me and your system may be different)."
- Install Eclipse by clicking on the downloaded "eclipse-inst-win64.exe" file.
- When you click on the file without previously installing JRE, you will get the error message, "Java for Windows Missing."
- You then just need to download the Java Runtime Environment (JRE) to use Eclipse. Please download JRE at <http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html> (click on JRE according to your system. in my case, I clicked on "Windows x64 Offline 59.17 MB jre-8u101-windows-x64.exe.")
- When installing Eclipse, select Eclipse IDE for Java EE developers.
- Set the default folders and follow the directions (you may need to accept the terms in the middle of installation).

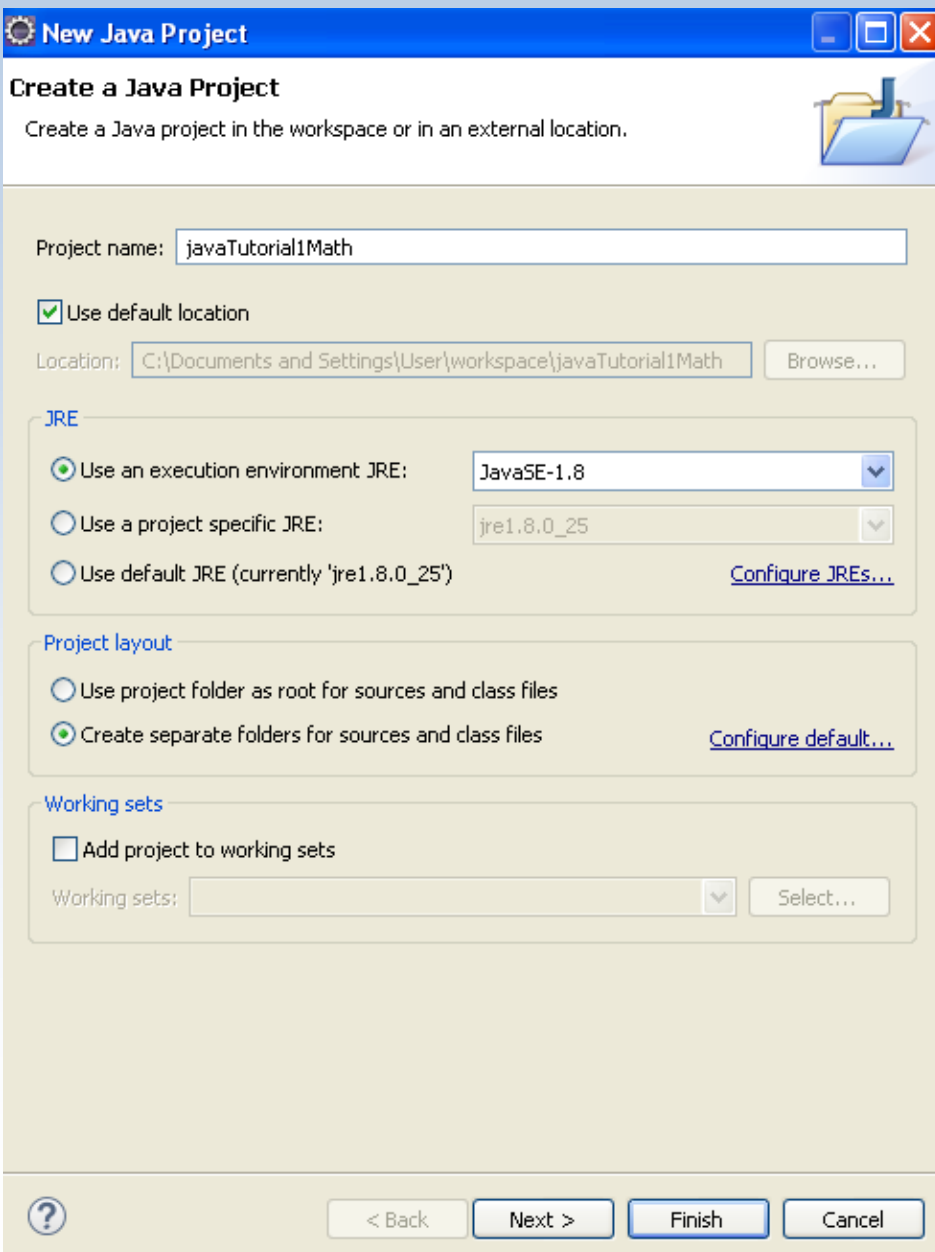




- **Creating a Java Project**
  - Select File > New > Java Project...,



# Example



**New 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 'jre1.8.0\_25') [Configure JREs...](#)

**Project layout**

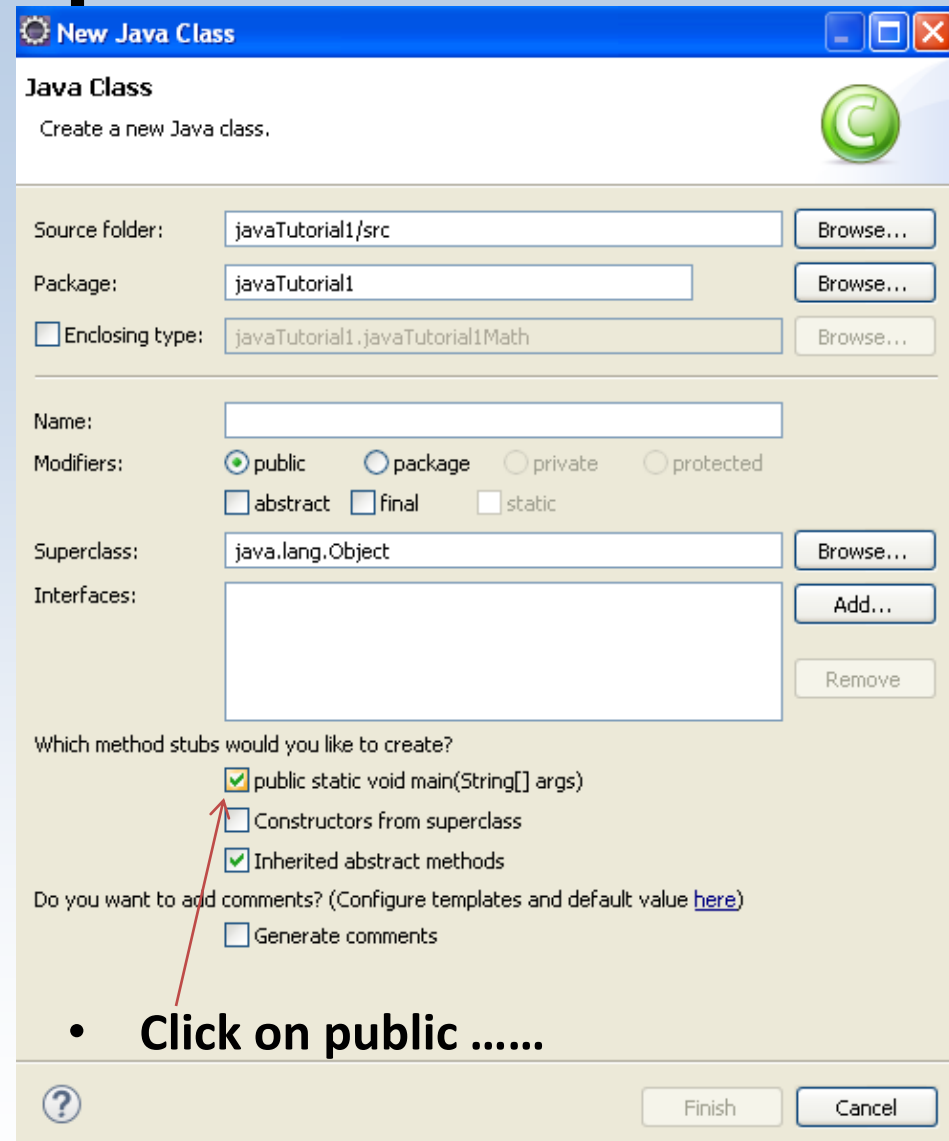
☐ Use project folder as root for sources and class files

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

**Working sets**

☐ Add project to working sets

Working sets:



**New Java Class**

Create a new Java class.

Source folder:

Package:

☐ Enclosing type:

Name:

Modifiers: ☒ public ☐ package ☐ private ☐ protected

☐ abstract ☐ final ☐ static

Superclass:

Interfaces:

Which method stubs would you like to create?

☒ public static void main(String[] args)

☐ Constructors from superclass

☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))

☐ Generate comments

- Click on public .....