*Setting Up Your Semantic Web Development Environment*

1. Java 1.6 SDK:

- Go to <http://java.sun.com/javase/downloads/index.jsp> and install the latest update to JDK 6.

2. Eclipse IDE for Java Developers:

- Go to http://www.eclipse.org/downloads/packages/eclipse-ide-java-developers/heliossr1

- Download and use the utility for your platform to decompress the downloaded file onto your file system.

3. Protégé Ontology Editor 4.1 Beta:

- Go to <http://protege.stanford.edu/download/protege/4.1/installanywhere/>

- After downloading, double-click install\_protege\_4.1.exe

- Getting Started with Protégé 4.x OWL: http://protegewiki.stanford.edu/wiki/Protege4GettingStarted

4. Jena Semantic Web Framework:

- Go to <http://downloads.sourceforge.net/jena/Jena-2.5.6.zip> and download the latest version of Jena.

### - Step-by-step guide toadding the Jena libraries in Eclipse:

http://www.iandickinson.me.uk/articles/jena-eclipse-helloworld/

## 5. Pellet Reasoner Plug-in for Protégé 4

## - Go to the installation section in <http://clarkparsia.com/pellet/protege/> and follow the steps.

# Now that all of the software has been installed, you have two development tools: Eclipse for Java and Protégé for ontologies. You also have two sets of libraries: Jena for Semantic Web interactions and Pellet as an independent reasoner.

# Reference: "Setting Up Your Semantic Web Development Environment" pages 36-38 in chapter 2 of the book "Semantic Web Programming" (Course Documents > Semantic Web Programming: Text Book)