

Tomcat Exercises - Lab 1

This is a three part exercise on tomcat. The first part shows you how to deploy a servlet, the second shows you how to deploy a jsp without reference to any other classes, and the third part shows you how to deploy a jsp which references a bean. These all assume that you have downloaded and installed the latest version of Tomcat (8.5).

Alert: When you click on the files with an xml, html, or jsp suffix, your browser tries to execute them, and so you will not see the raw text. You can view the source in notepad or whatever and save it to a file.

Deploying a servlet

1. Download this program: [CurrencyConverter.java](#). Compile it with javac. Note that you are using special servlet classes, so you need to compile with this option -classpath `tomcat\common\lib\servlet-api.jar` replacing `tomcat` with your tomcat directory.
2. In your `tomcat` webapps directory, create a subdirectory called `netprog`. In the `netprog` directory, create a subdirectory called `WEB-INF`. In this `WEB-INF` directory, create a subdirectory called `classes`
3. Download this file [web.xml](#) to the directory `tomcat\webapps\netprog\WEB-INF`.
4. Download this file [CurrencyConverter.html](#) to the `tomcatwebapps\netprog` directory.
5. Restart tomcat
6. With your favorite web browser, go to <http://localhost:8080/netprog/CurrencyConverter.html> and enter a dollar value

Deploying a simple jsp

1. Download the file [CurrencyConverter.jsp](#) to the `tomcat\webapps\netprog` directory.
2. Edit the `CurrencyConverter.html` file, changing the string `action=/servlet/CurrencyConverter` to `action=CurrencyConverter.jsp`
3. With your favorite web browser, go to <http://localhost:8080/netprog/CurrencyConverter.html>

Deploying a jsp which uses a Bean

1. Compile the file [CurrencyConverterBean.java](#)
2. Create a new subdirectory called `converters` in `tomcat\webapps\netprog\WEB-INF\classes` and copy the file `CurrencyConverterBean.class` to this new subdirectory
3. Copy the file [CurrencyConverter2.jsp](#) to the directory `tomcat\webapps\netprog` *Note that when you click on this in your browser, nothing much appears, but if you look at the source in notepad or whatever, you can see and save the contents.*

4. Edit the file CurrencyConverter.html to change the action of the form to CurrencyConverter2.jsp
5. Start up tomcat.
6. With your favorite web browser, go to
<http://localhost:8080/netprog/CurrencyConverter.html>