

How to create a web application in eclipse:

01. Download and install <http://tomcat.apache.org/>
02. Download and install Eclipse IDE for Java EE Developers
03. Start Eclipse
04. Window -> Preferences -> Web -> CSS+HTML+JSP -> Encoding: ISO 10646/Unicode(UTF-8)
05. Window -> Open Perspective -> Other -> Java EE
06. File -> New -> Dynamic Web Project
07. Enter Project name
08. Target Runtime -> [New...] -> Apache -> Apache Tomcat vX.X -> Next -> Tomcat installation directory -> [Browse...] -> <Path to tomcat>\Tomcat X.X -> Finish
09. Finish
10. Right click on WebContent -> New -> JSP (index.html / index.jsp as startfile) -> Next -> Use JSP template -> New JSP File(xhtml) -> Finish
11. Right click on project -> Run As -> Run on Server -> Finish
12. Project is available under <http://localhost:8080/projectname>
13. To change the context root/URI in eclipse : Right click on project -> Properties ->Web Project Settings -> "New Context root" -> Apply -> OK -> OK
14. Right click project -> Export -> WAR file -> Destination: -> [Browse...] -> <Path to tomcat>\Tomcat X.X\webapps (write name in small letters) -> Save -> Finish
15. To change the context root/URI for tomcat just rename the WAR file
16. Stop Eclipse-tomcat-server by pressing STRG+ALT+S
17. Start tomcat ("<Path to tomcat>\Tomcat X.X\bin\tomcatXw.exe")
18. Now Project is deployed in tomcat and can be used without eclipse

How to import the unit converter example in eclipse:

01. Download and install <http://tomcat.apache.org/>
02. Download and install Eclipse IDE for Java EE Developers
03. Start Eclipse
04. Window -> Preferences -> Web -> CSS+HTML+JSP -> Encoding: ISO 10646/Unicode(UTF-8)
05. Window -> Open Perspective -> Other -> Java EE
06. Right click on Project Explorer -> Import -> WAR file -> WAR file [Browse...] -> "UnitConverter_DWP.war" -> Open
07. Target Runtime -> [New...] -> Apache -> Apache Tomcat vX.X -> Next -> Tomcat installation directory -> [Browse...] -> <Path to tomcat>\Tomcat X.X -> Finish

08. Next -> Finish

09. Goto <http://jscience.org/> and download JScience (Get Library) (you only need jscience.jar of the zip-file)
10. Copy jscience.jar to /<eclipse-workspace>/UnitConverter_DWP/WebContent/WEB-INF/lib
11. In eclipse press F5
12. Project -> Clean... -> OK
13. Rightclick on project -> Run As -> Run on Server -> Finish
14. Project is available: http://localhost:8080/UnitConverter_DWP or http://localhost/UnitConverter_DWP
15. To change the context root/URI in eclipse : Right click on project -> Properties ->Web Project Settings -> "New Context root" -> Apply -> OK -> OK