**Step 1 - Modify the startup script**

Go to the tomcat installation folder -> bin folder.

For Windows OS, open **startup.bat** file with a text file editor.

Change the following line

***call "%EXECUTABLE%" start %CMD\_LINE\_ARGS%***

to

***set JPDA\_ADDRESS=1043***

***set JPDA\_TRANSPORT=dt\_socket***

***call "%EXECUTABLE%" jpda start %CMD\_LINE\_ARGS%***

Similarly, for Linux OS, open **startup.sh** file with a text file editor.

Change the following line

***call "%EXECUTABLE%" start %CMD\_LINE\_ARGS%***

***exec "$PRGDIR"/"$EXECUTABLE" start "$@"***

to

***export JPDA\_ADDRESS=1043***

***export JPDA\_TRANSPORT=dt\_socket***

***exec "$PRGDIR"/"$EXECUTABLE" jpda start "$@"***

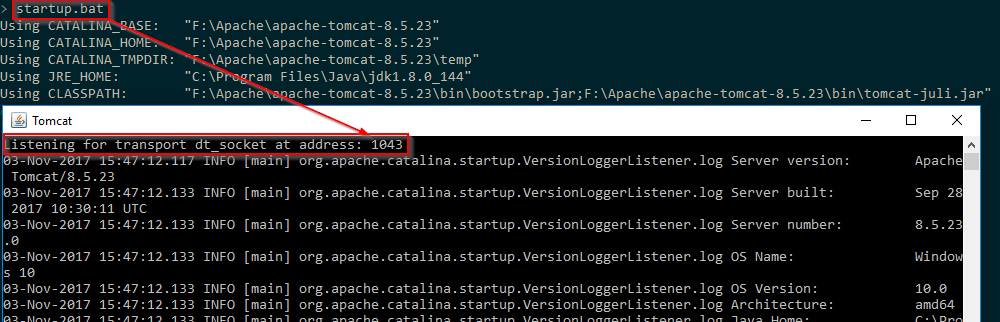
**Step 2 – Deploy the web application to Tomcat and restart it**

Deploy your web application to the Tomcat and start it with startup.bat or startup.sh based on your OS.

**Step 3 – Verify that Tomcat is listening on the JPDA port number mention in the startup script**

Verify that when startup.bat or startup.sh is run, the first line prints like

***Listening for transport dt\_socket at address: <the jpda port number>***

****

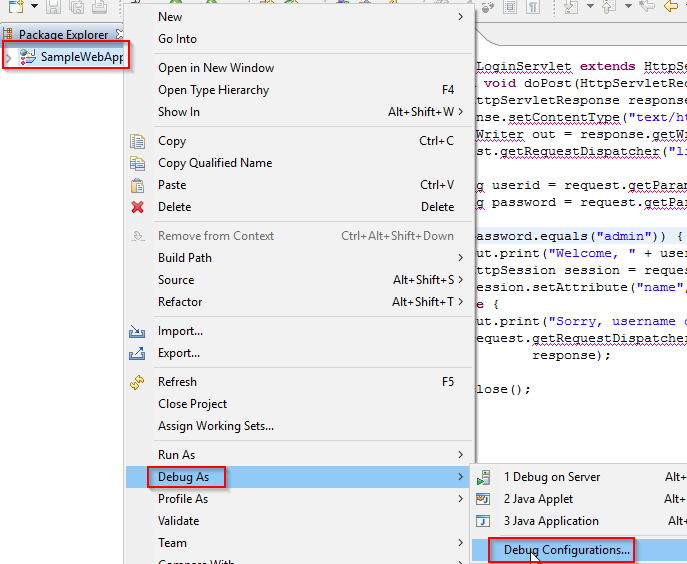
**Step 4 – Import the web project to be debugged in Eclipse**

In your Eclipse editor, import the web project you want to debug.

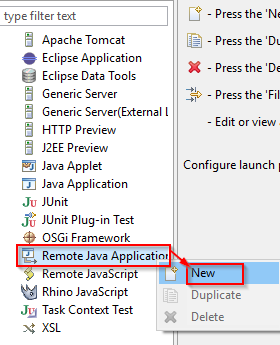
**Step 5 – Configure the project to debug it on remote Tomcat**

In your Eclipse editor, import the web project you want to debug.

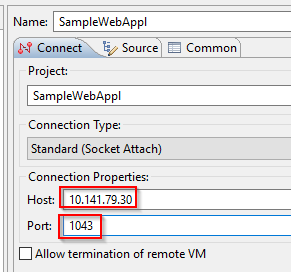
Then ***Right Click on the project ->Debug As ->Debug Configuration***



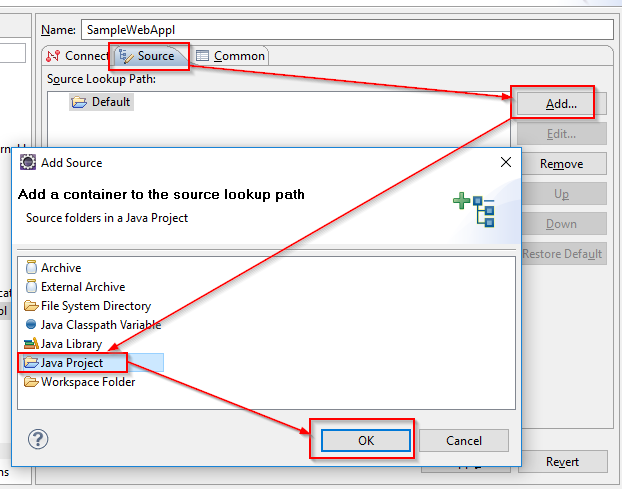
***Right Click on “Remote Java Application” ->New***



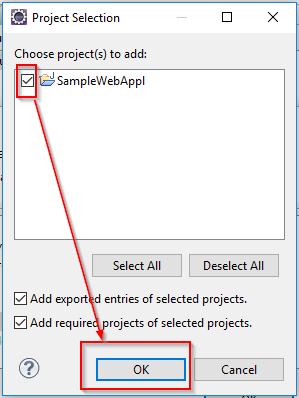
***Enter the IP of the machine where Tomcat is running and the port number set for JPDA\_ADDRESS***



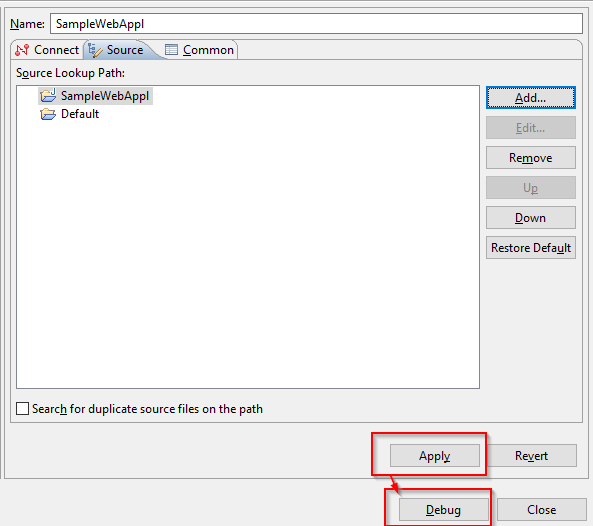
***Click on “Source” tab ->Add->Java Project->OK***



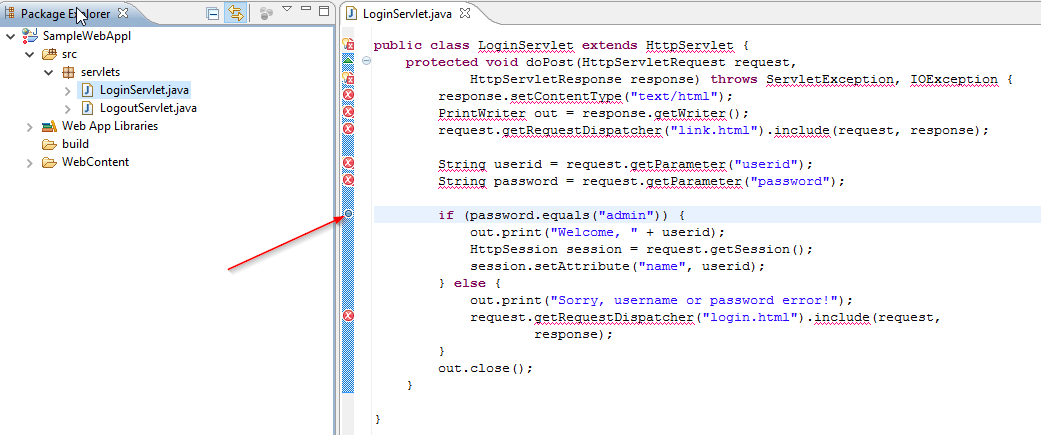
***Select the checkbox against the project to be debugged ->Click OK***



***Click on Apply->Debug***

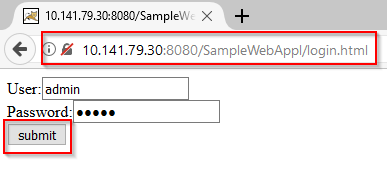


***Place break points in the files which you want to debug.***



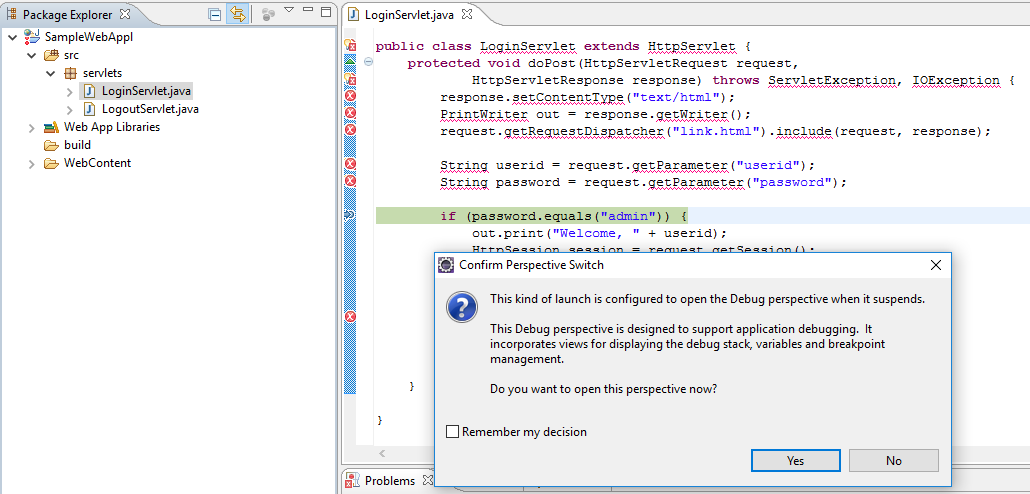
**Step 6 – Access the web application**

Open the web application page, enter the credential values and click submit



**Step 7 – Check the breakpoints hit in Eclipse**

The breakpoints will get hit in the Eclipse editor.

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