Configuring your IDE for Dynamic Web Programming

Phil Smith

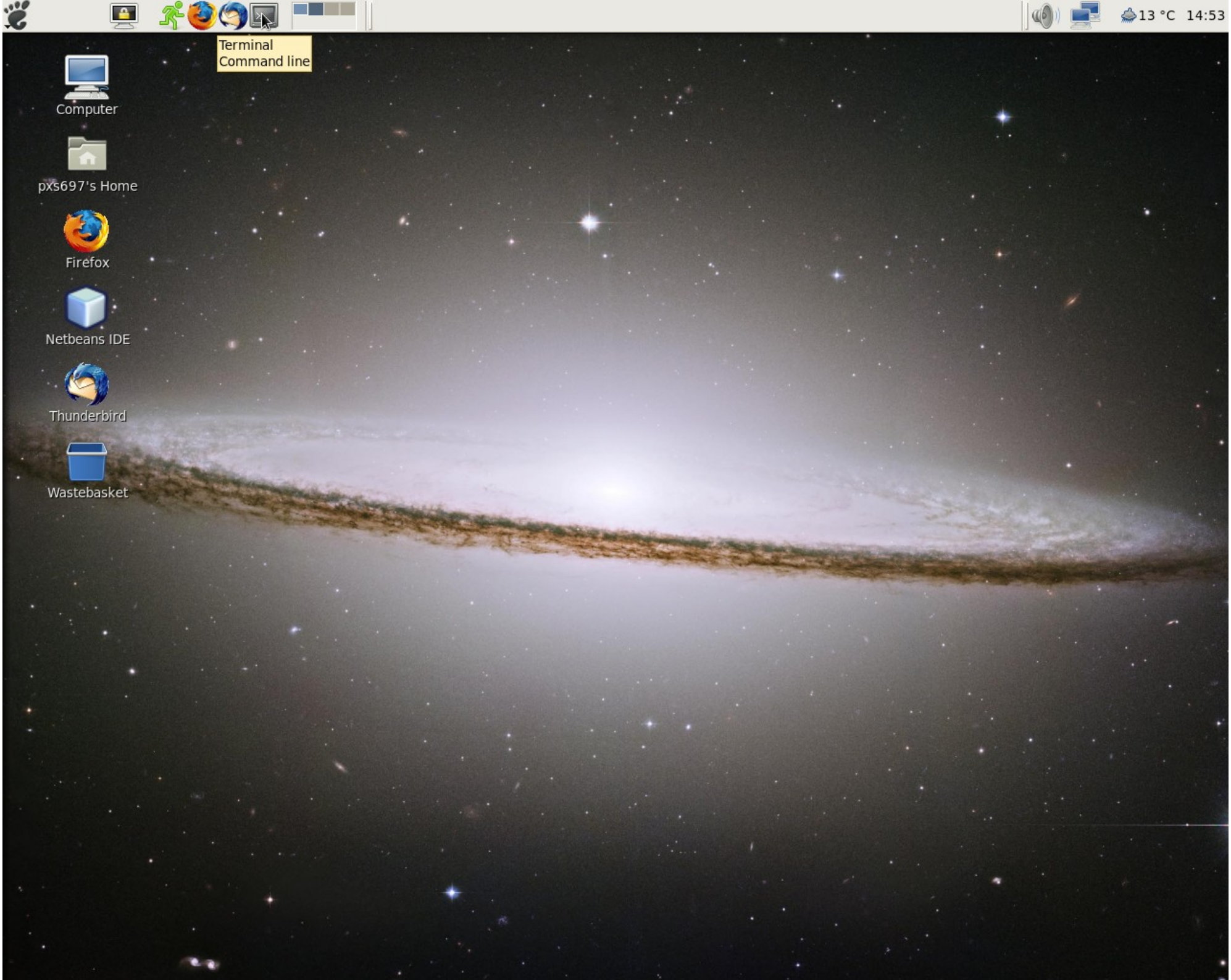
21st November 2012

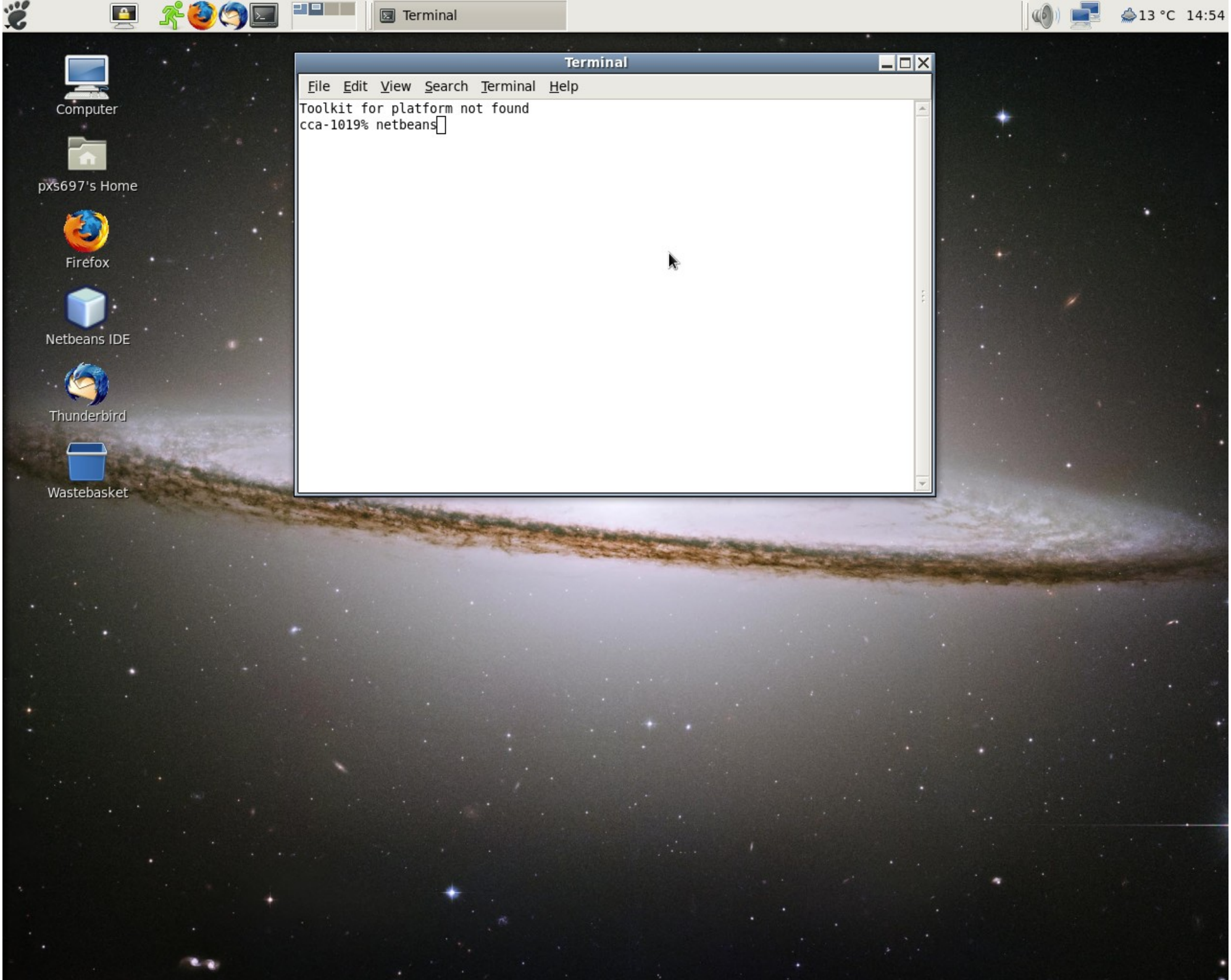
The IDEs

- Netbeans 6.9
- Eclipse *Helios*

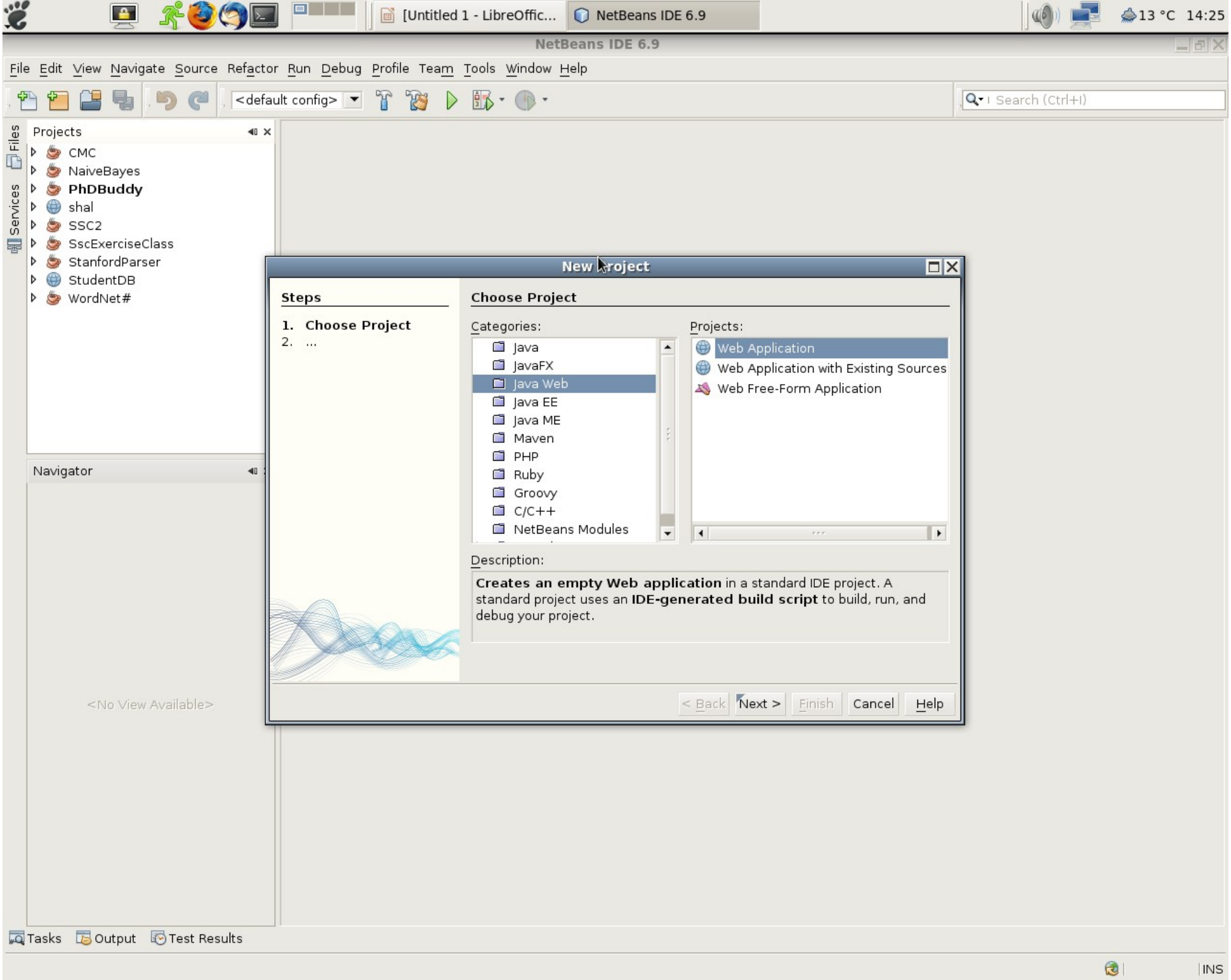
NetBeans

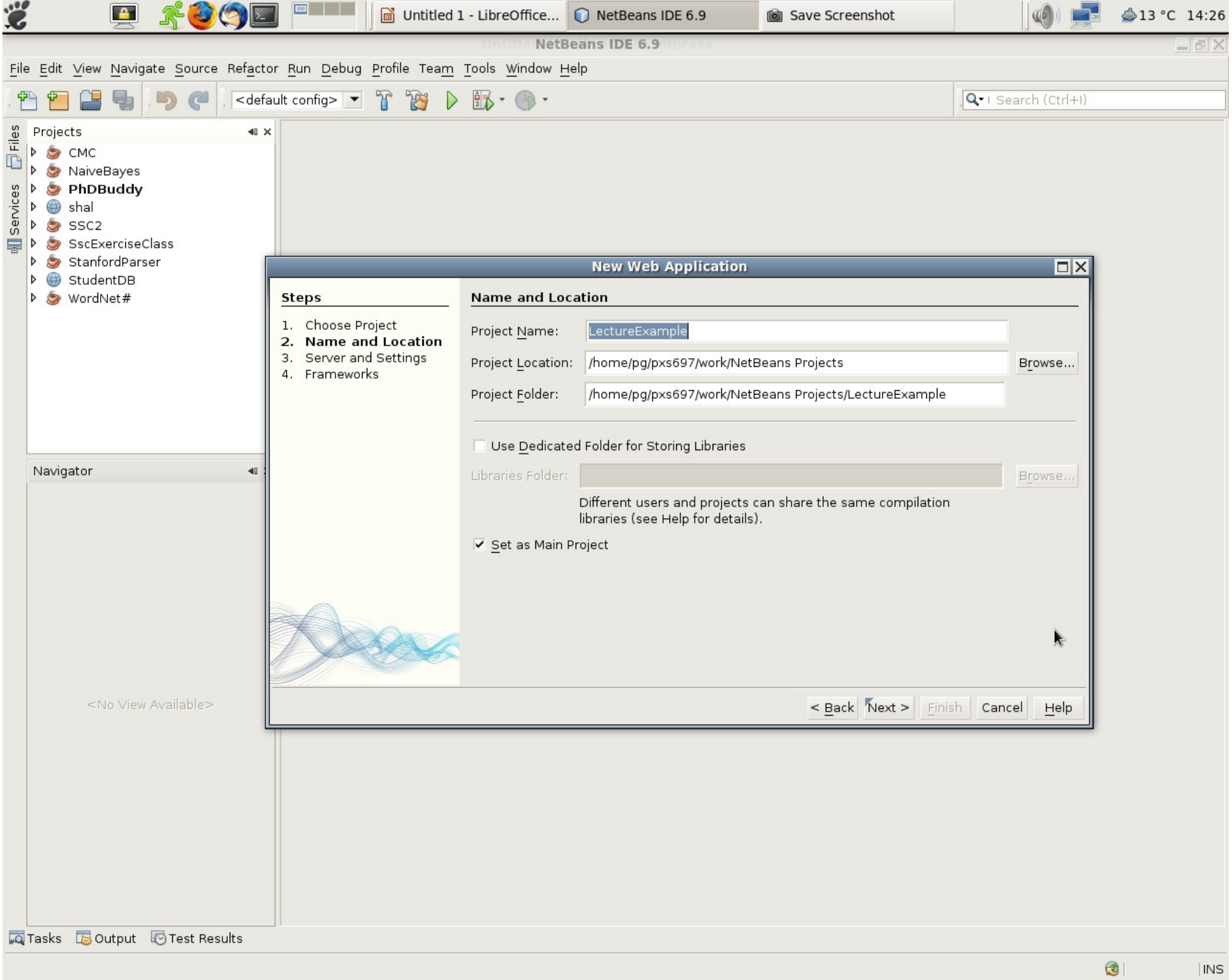
[Untitled 1 - LibreOffic...
Run Application
13 °C 14:22
Computer
pxs697's Home
Firefox
Netbeans IDE
Thunderbird
Wastebasket
Alt + F2
Run Application
netbeans
Run in terminal
Run with file...
Show list of known applications
Help
Cancel
Run

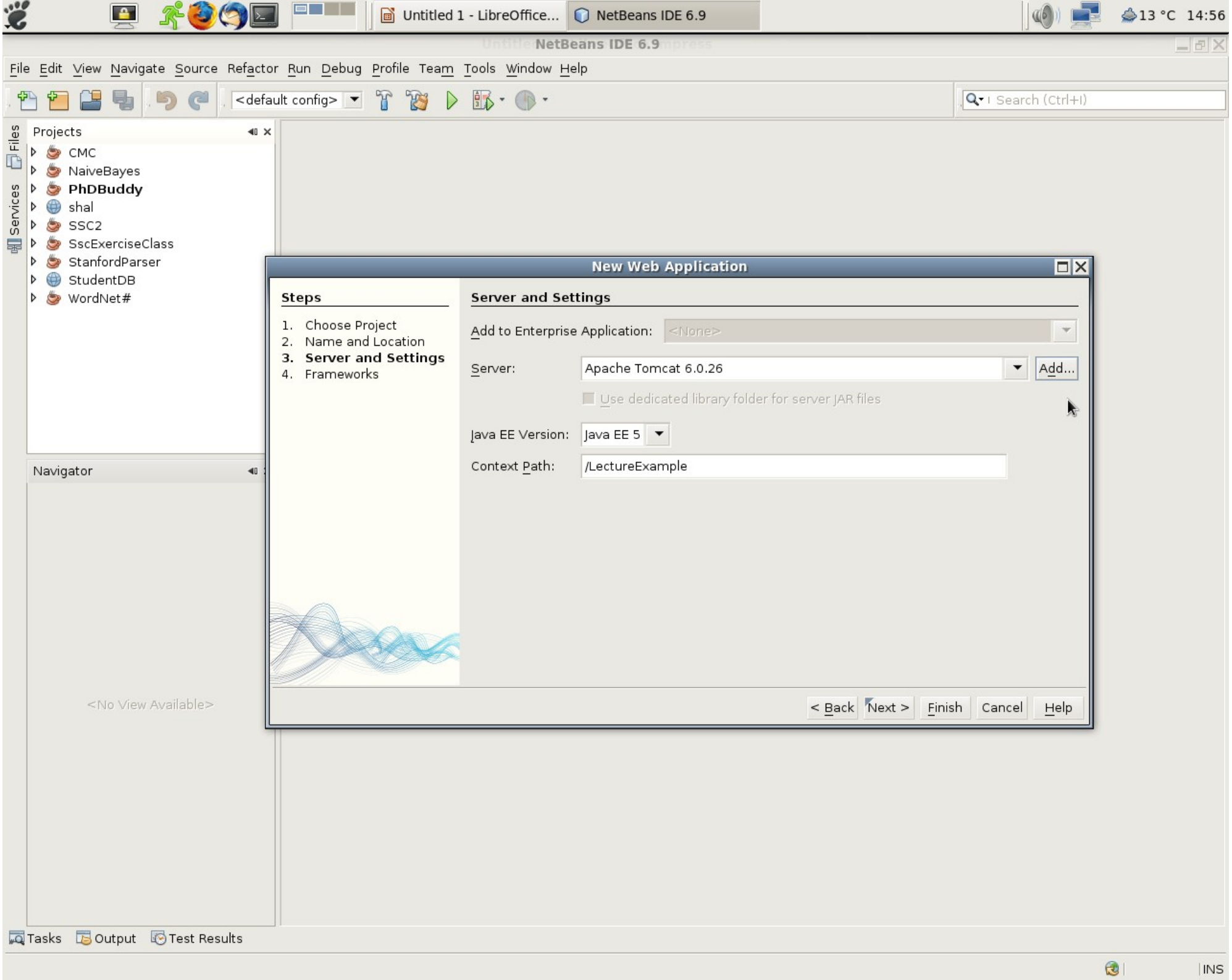

Terminal
Command line
Computer
pxs697's Home
Firefox
Netbeans IDE
Thunderbird
Wastebasket
13 °C
14:53

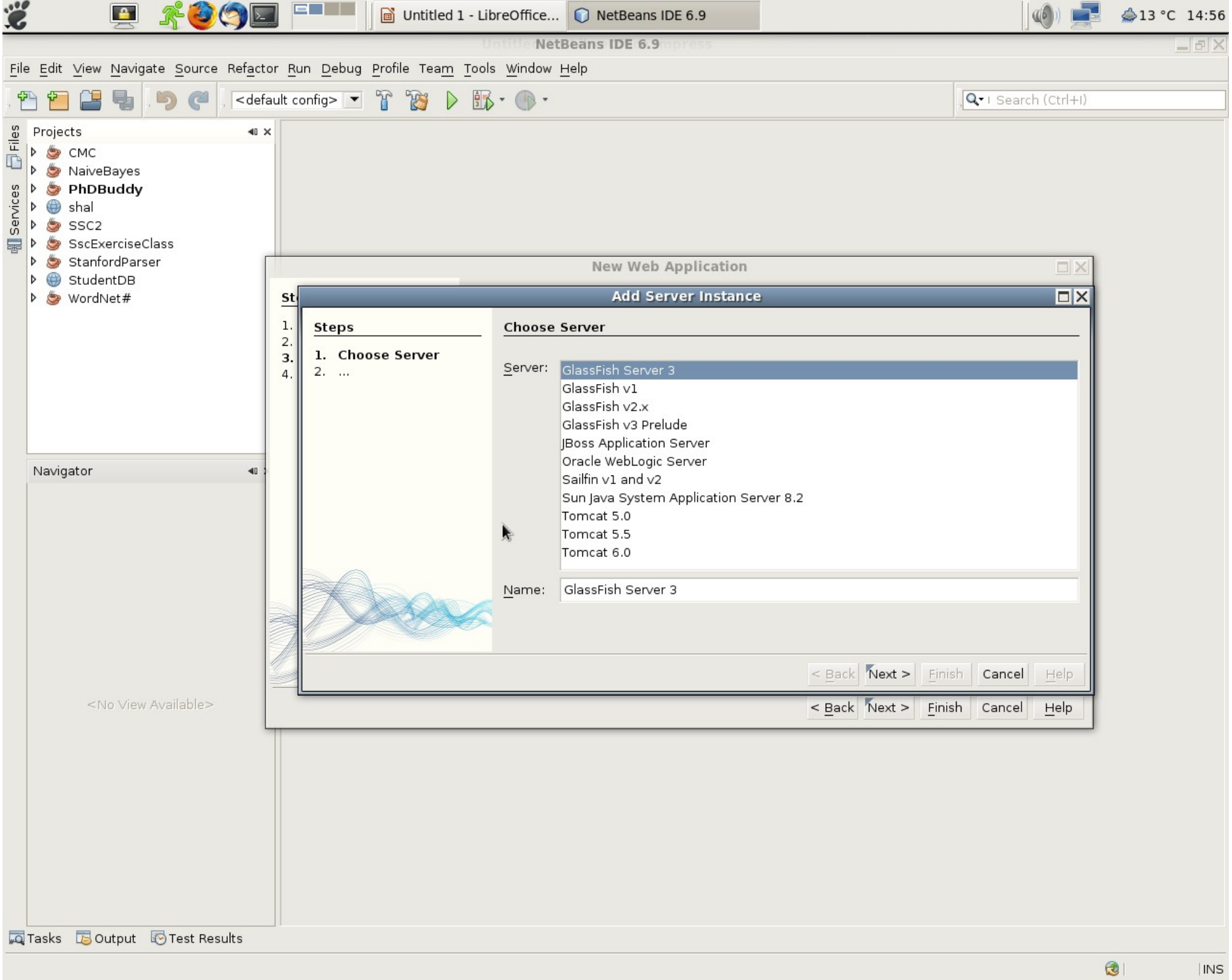

Terminal
13 °C 14:54
Computer
pxs697's Home
Firefox
Netbeans IDE
Thunderbird
Wastebasket
Terminal
File Edit View Search Terminal Help
Toolkit for platform not found
cca-1019% netbeans

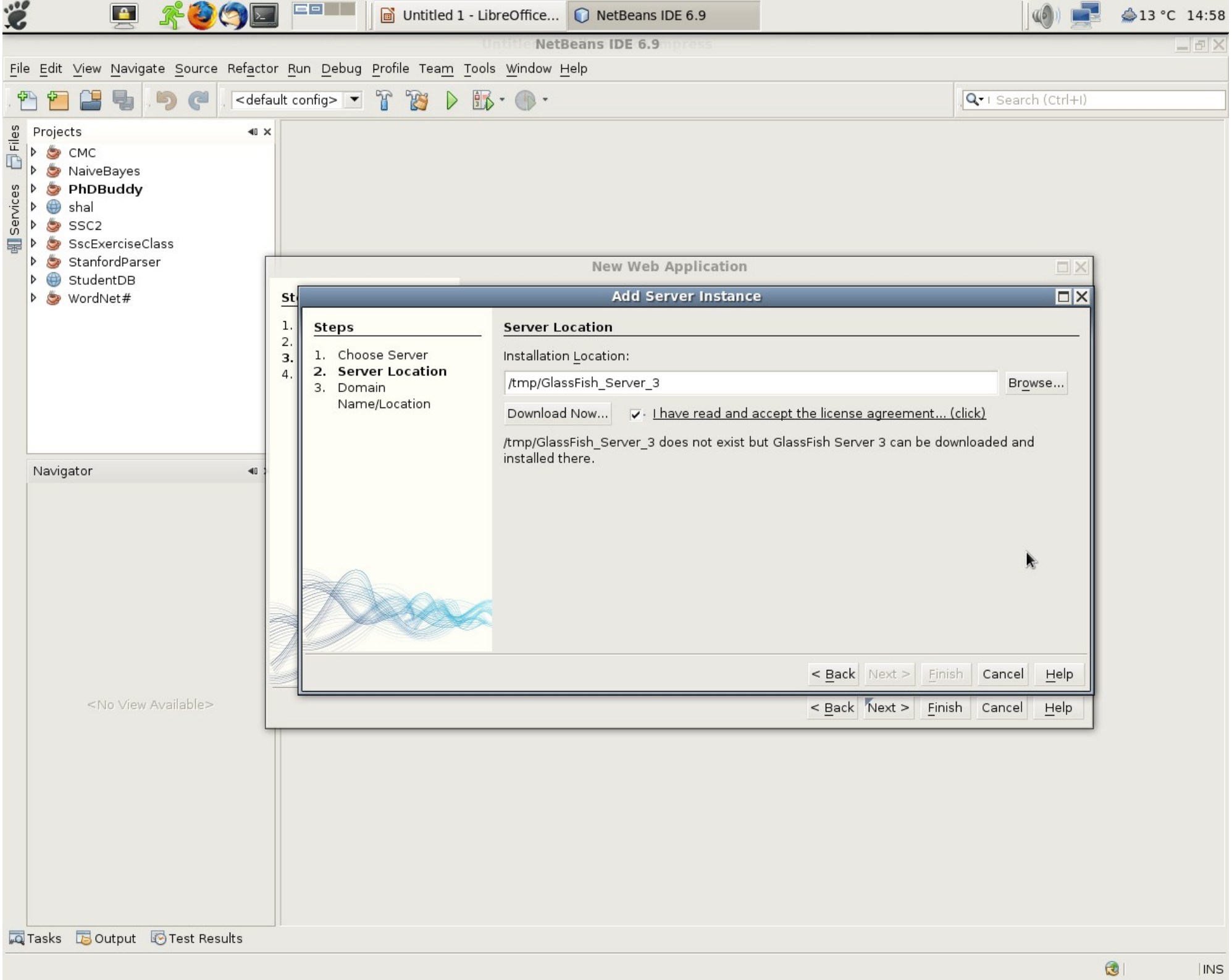
[Untitled 1 - LibreOffic...
Starting NetBeans IDE
13 °C 14:24
Computer
pxs697's Home
Firefox
Netbeans IDE
Thunderbird
Wastebasket
NetBeans IDE
6.9
Starting modules...
NetBeans IDE and NetBeans Platform are based on software from netbeans.org, which has been dual licensed under the Common Development and Distribution License (CDDL) and the GNU General Public License version 2 with Classpath exception. For more information, please visit www.netbeans.org.

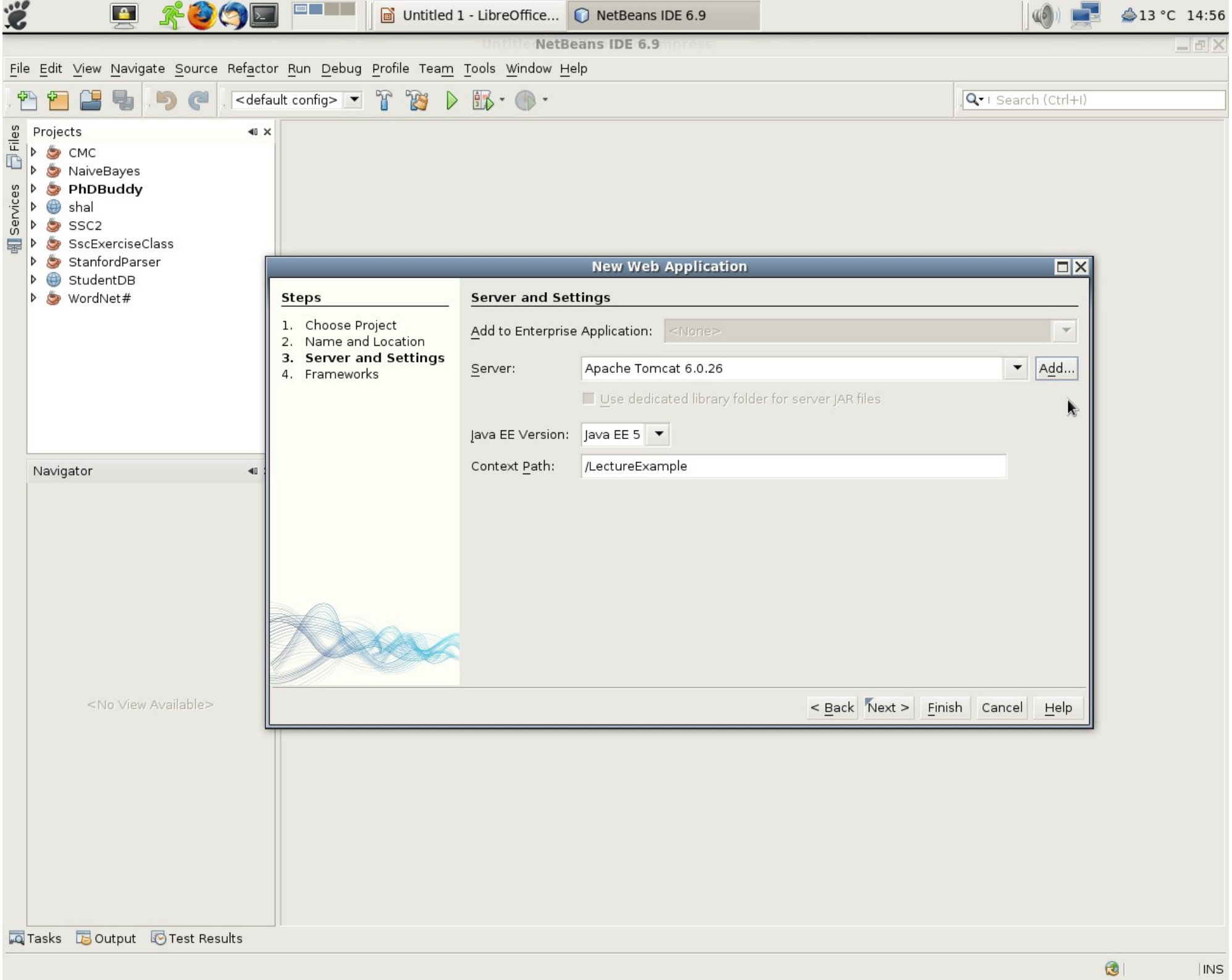

[Untitled 1 - LibreOffic...
NetBeans IDE 6.9
13 °C 14:25
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+I)
Files
Services
Projects
CMC
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
StudentDB
WordNet#
Navigator
<No View Available>
New Project
Steps
1. Choose Project
2. ...
Choose Project
Categories:
Java
JavaFX
Java Web
Java EE
Java ME
Maven
PHP
Ruby
Groovy
C/C++
NetBeans Modules
Projects:
Web Application
Web Application with Existing Sources
Web Free-Form Application
Description:
Creates an empty Web application in a standard IDE project. A standard project uses an IDE-generated build script to build, run, and debug your project.
< Back
Next >
Finish
Cancel
Help
Tasks
Output
Test Results
INS

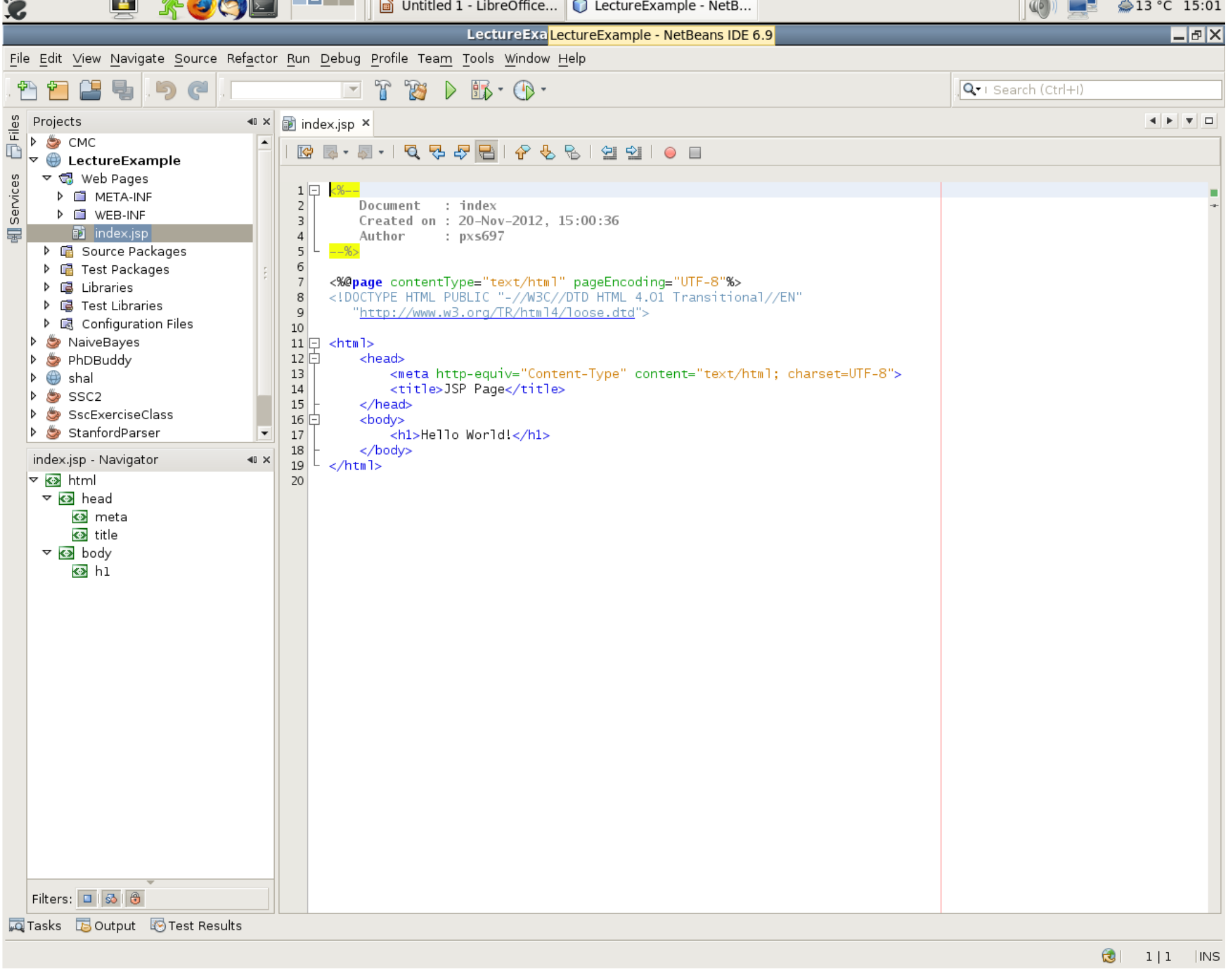

Untitled 1 - LibreOffice...
NetBeans IDE 6.9
Save Screenshot
13 °C 14:26
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+I)
Projects
CMC
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
StudentDB
WordNet#
Navigator
<No View Available>
Tasks
Output
Test Results
New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Name and Location
Project Name: LectureExample
Project Location: /home/pg/pxs697/work/NetBeans Projects
Browse...
Project Folder: /home/pg/pxs697/work/NetBeans Projects/LectureExample
Use Dedicated Folder for Storing Libraries
Libraries Folder:
Browse...
Different users and projects can share the same compilation libraries (see Help for details).
Set as Main Project
< Back
Next >
Finish
Cancel
Help
INS

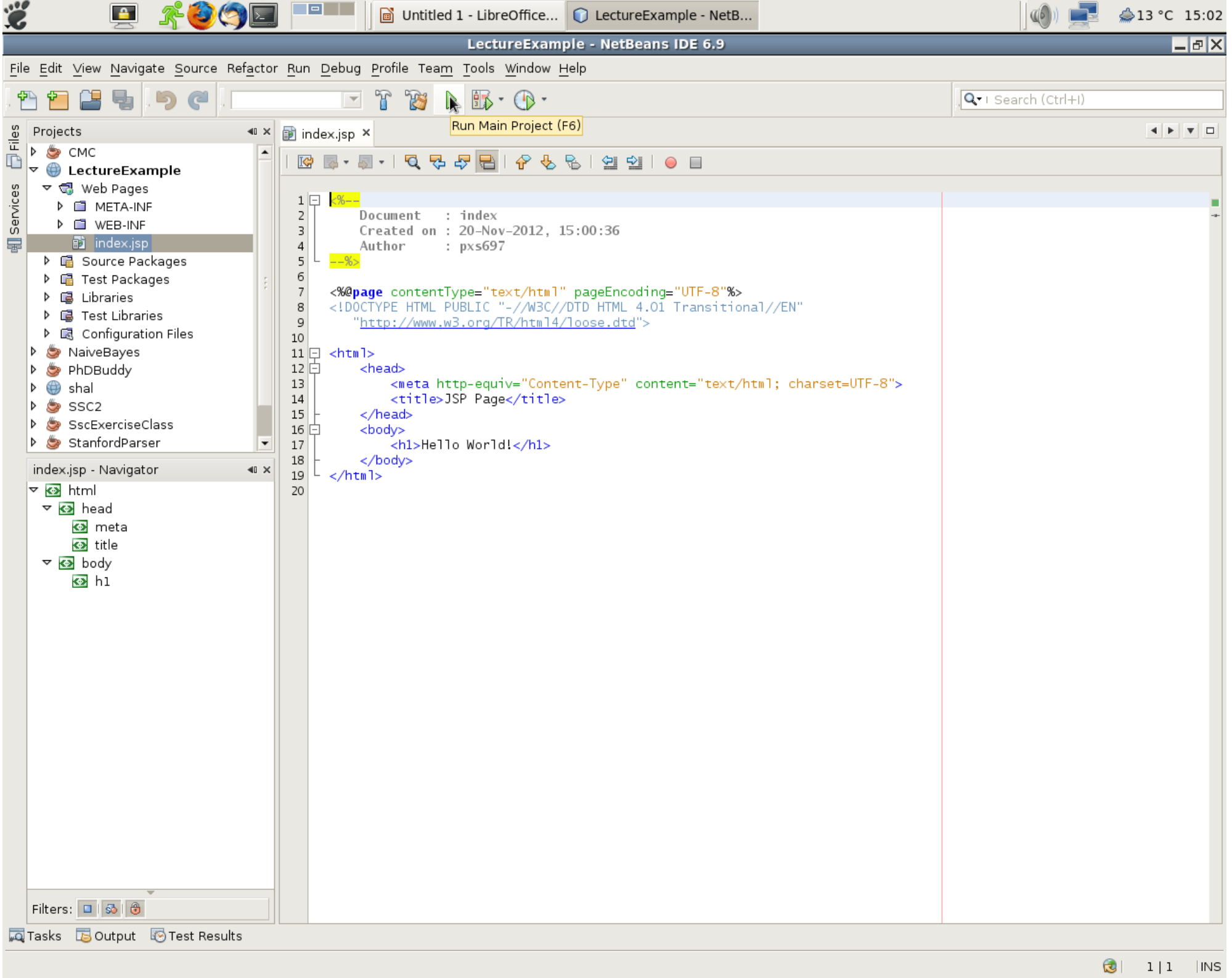

Untitled 1 - LibreOffice...
NetBeans IDE 6.9
13 °C 14:56
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+I)
Files
Services
Projects
CMC
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
StudentDB
WordNet#
Navigator
<No View Available>
New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Server and Settings
Add to Enterprise Application: <None>
Server: Apache Tomcat 6.0.26
Add...
Use dedicated library folder for server JAR files
Java EE Version: Java EE 5
Context Path: /LectureExample
< Back
Next >
Finish
Cancel
Help
Tasks
Output
Test Results
INS

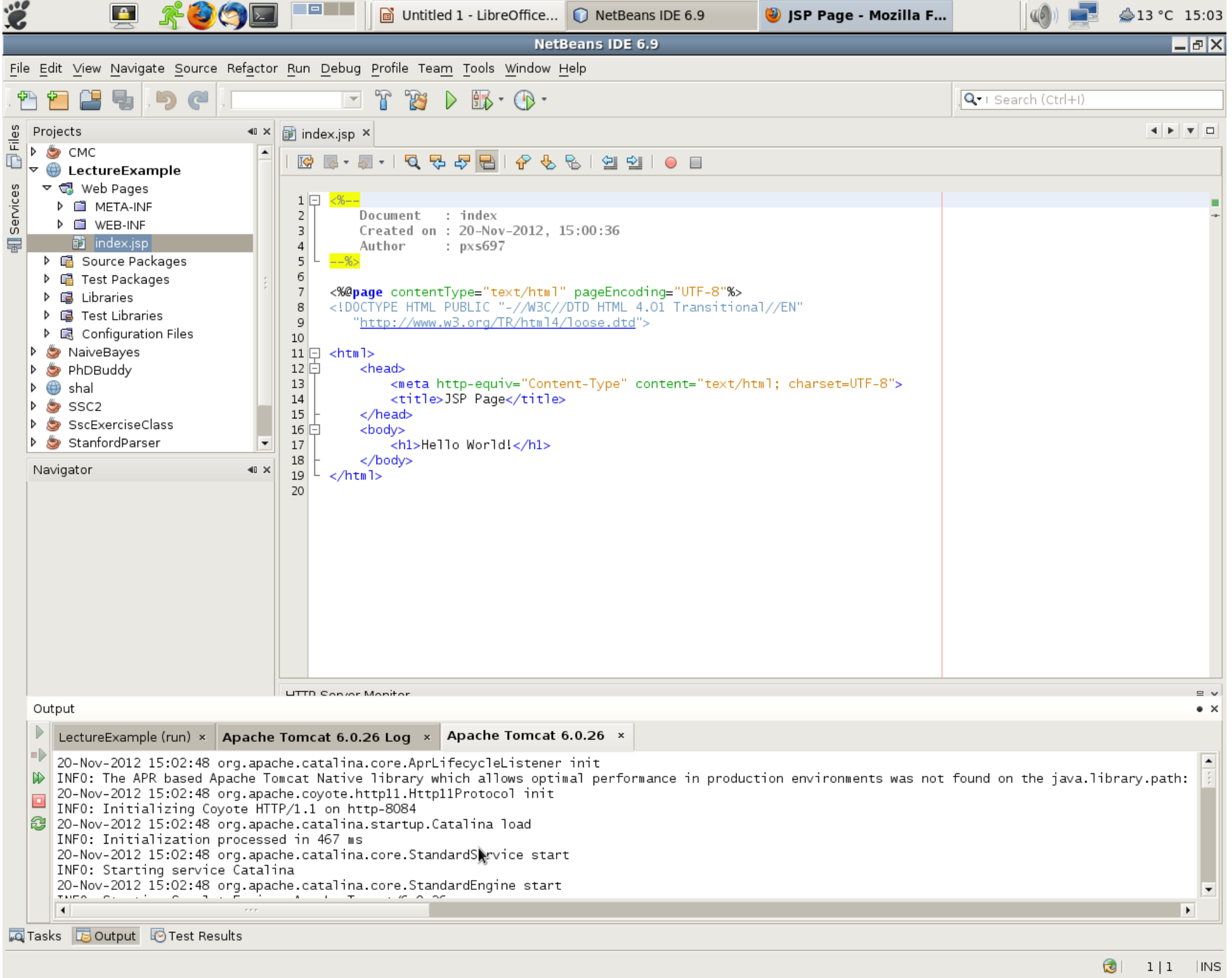

Untitled 1 - LibreOffice...
NetBeans IDE 6.9
13 °C 14:56
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+I)
Files
Services
Projects
CMC
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
StudentDB
WordNet#
Navigator
<No View Available>
New Web Application
Add Server Instance
Steps
1. Choose Server
2. ...
Choose Server
Server:
GlassFish Server 3
GlassFish v1
GlassFish v2.x
GlassFish v3 Prelude
JBoss Application Server
Oracle WebLogic Server
Sailfin v1 and v2
Sun Java System Application Server 8.2
Tomcat 5.0
Tomcat 5.5
Tomcat 6.0
Name:
GlassFish Server 3
< Back
Next >
Finish
Cancel
Help
< Back
Next >
Finish
Cancel
Help
Tasks
Output
Test Results
INS

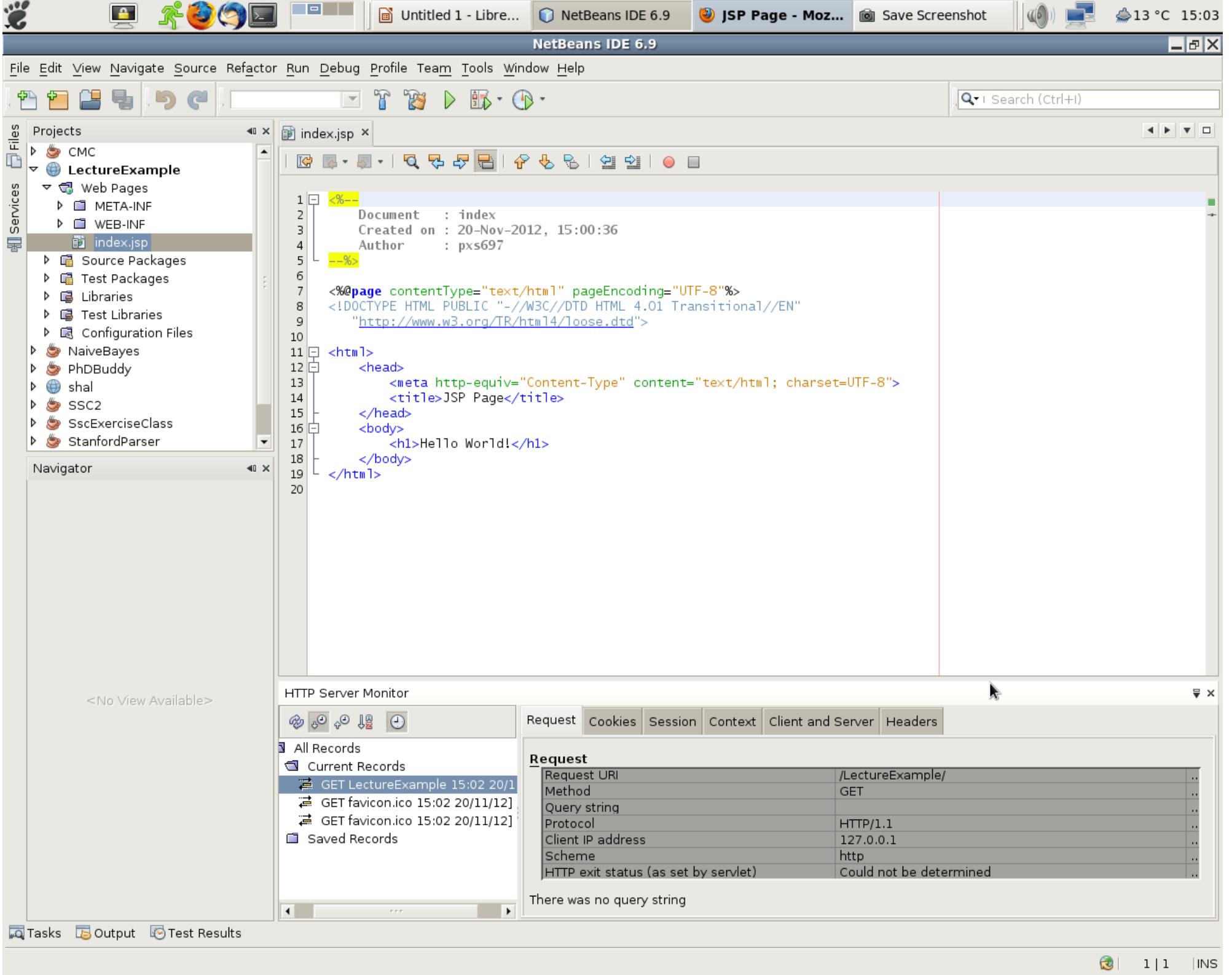

Untitled 1 - LibreOffice...
NetBeans IDE 6.9
13 °C 14:58
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+I)
Files
Services
Projects
CMC
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
StudentDB
WordNet#
Navigator
<No View Available>
Tasks
Output
Test Results
New Web Application
Add Server Instance
Steps
1. Choose Server
2. Server Location
3. Domain Name/Location
Server Location
Installation Location:
/tmp/GlassFish_Server_3
Browse...
Download Now...
I have read and accept the license agreement... (click)
/tmp/GlassFish_Server_3 does not exist but GlassFish Server 3 can be downloaded and installed there.
< Back
Next >
Finish
Cancel
Help
< Back
Next >
Finish
Cancel
Help
INS

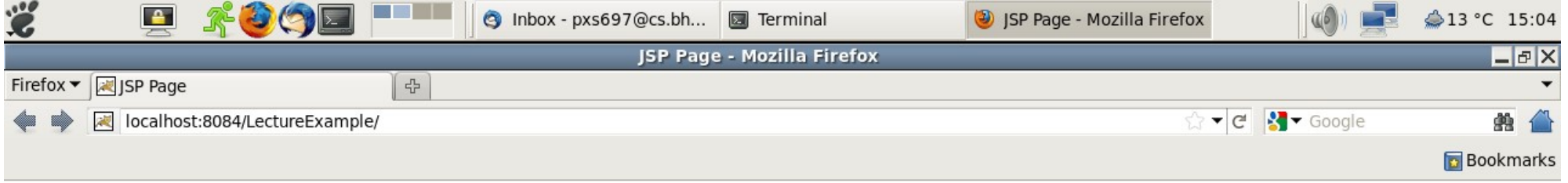

Untitled 1 - LibreOffice...
NetBeans IDE 6.9
13 °C 14:56
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+I)
Files
Services
Projects
CMC
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
StudentDB
WordNet#
Navigator
<No View Available>
New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Server and Settings
Add to Enterprise Application: <None>
Server: Apache Tomcat 6.0.26
Add...
Use dedicated library folder for server JAR files
Java EE Version: Java EE 5
Context Path: /LectureExample
< Back
Next >
Finish
Cancel
Help
Tasks
Output
Test Results
INS


Untitled 1 - LibreOffice...
LectureExample - NetB...
13 °C 15:01
LectureExa LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Files
Services
Projects
CMC
LectureExample
Web Pages
META-INF
WEB-INF
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
index.jsp - Navigator
html
head
meta
title
body
h1
Filters:
index.jsp
<%--
Document : index
Created on : 20-Nov-2012, 15:00:36
Author : pxs697
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>JSP Page</title>
</head>
<body>
<h1>Hello World!</h1>
</body>
</html>
Tasks
Output
Test Results
1 | 1
INS

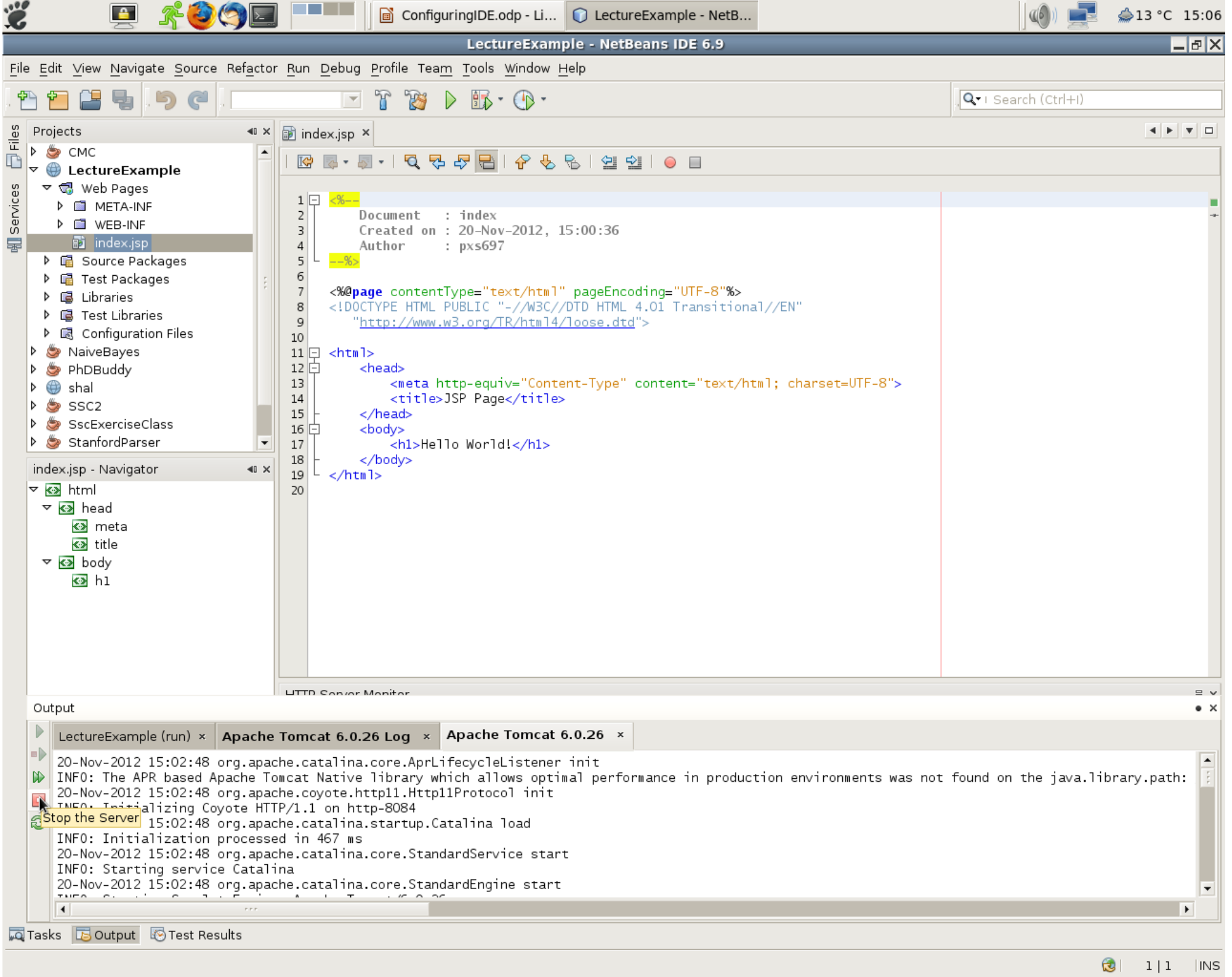

Untitled 1 - LibreOffice...
LectureExample - NetB...
13 °C 15:02
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Run Main Project (F6)
Projects
CMC
LectureExample
Web Pages
META-INF
WEB-INF
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
index.jsp
1 <%--
2 Document : index
3 Created on : 20-Nov-2012, 15:00:36
4 Author : pxs697
5 --%>
6
7 <%@page contentType="text/html" pageEncoding="UTF-8"%>
8 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
9 "http://www.w3.org/TR/html4/loose.dtd">
10
11 <html>
12 <head>
13 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
14 <title>JSP Page</title>
15 </head>
16 <body>
17 <h1>Hello World!</h1>
18 </body>
19 </html>
20
index.jsp - Navigator
html
head
meta
title
body
h1
Filters:
Tasks
Output
Test Results
1 | 1
INS

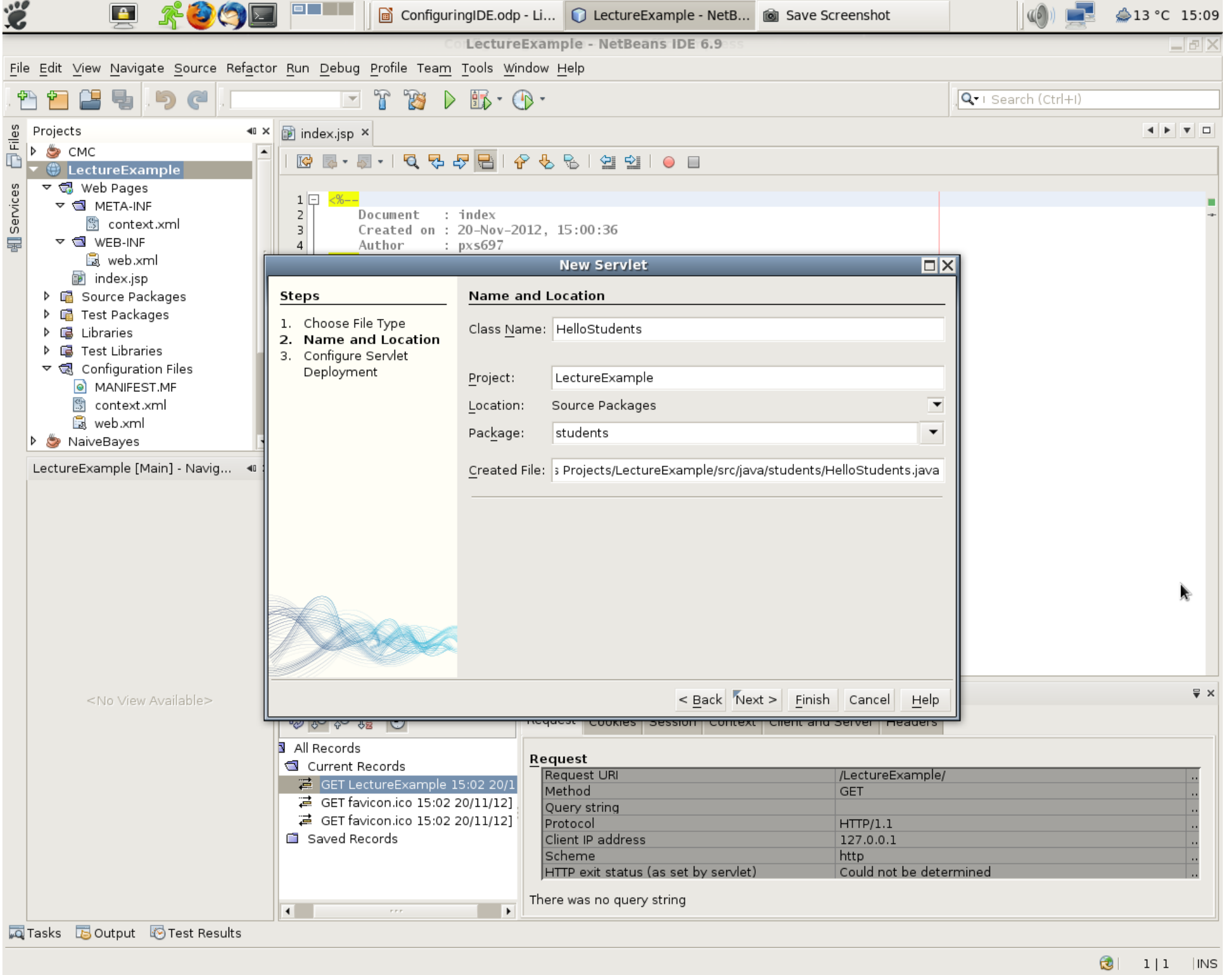

Untitled 1 - LibreOffice...
NetBeans IDE 6.9
JSP Page - Mozilla F...
13 °C 15:03
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
WEB-INF
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
Navigator
index.jsp
<%--
Document : index
Created on : 20-Nov-2012, 15:00:36
Author : pxs697
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>JSP Page</title>
</head>
<body>
<h1>Hello World!</h1>
</body>
</html>
Output
LectureExample (run)
Apache Tomcat 6.0.26 Log
Apache Tomcat 6.0.26
20-Nov-2012 15:02:48 org.apache.catalina.core.AprLifecycleListener init
INFO: The APR based Apache Tomcat Native library which allows optimal performance in production environments was not found on the java.library.path:
20-Nov-2012 15:02:48 org.apache.coyote.http11.Http11Protocol init
INFO: Initializing Coyote HTTP/1.1 on http-8084
20-Nov-2012 15:02:48 org.apache.catalina.startup.Catalina load
INFO: Initialization processed in 467 ms
20-Nov-2012 15:02:48 org.apache.catalina.core.StandardService start
INFO: Starting service Catalina
20-Nov-2012 15:02:48 org.apache.catalina.core.StandardEngine start
Tasks
Output
Test Results
1 | 1
INS


Untitled 1 - Libre...
NetBeans IDE 6.9
JSP Page - Moz...
Save Screenshot
13 °C 15:03
NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
WEB-INF
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
Navigator
<No View Available>
index.jsp
<%--
Document : index
Created on : 20-Nov-2012, 15:00:36
Author : pxs697
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>JSP Page</title>
</head>
<body>
<h1>Hello World!</h1>
</body>
</html>
HTTP Server Monitor
All Records
Current Records
GET LectureExample 15:02 20/1
GET favicon.ico 15:02 20/11/12]
GET favicon.ico 15:02 20/11/12]
Saved Records
Request
Cookies
Session
Context
Client and Server
Headers
Request
Request URI /LectureExample/
Method GET
Query string
Protocol HTTP/1.1
Client IP address 127.0.0.1
Scheme http
HTTP exit status (as set by servlet) Could not be determined
There was no query string
Tasks
Output
Test Results
1 | 1
INS


Inbox - pxs697@cs.bh...
Terminal
JSP Page - Mozilla Firefox
13 °C 15:04
JSP Page - Mozilla Firefox
Firefox
JSP Page
localhost:8084/LectureExample/
Google
Bookmarks

Hello World!


ConfiguringIDE.odp - Li...
LectureExample - NetB...
13 °C 15:06
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
WEB-INF
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
NaiveBayes
PhDBuddy
shal
SSC2
SscExerciseClass
StanfordParser
index.jsp - Navigator
html
head
meta
title
body
h1
index.jsp
1 <%--
2 Document : index
3 Created on : 20-Nov-2012, 15:00:36
4 Author : pxs697
5 --%>
6
7 <%@page contentType="text/html" pageEncoding="UTF-8"%>
8 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
9 "http://www.w3.org/TR/html4/loose.dtd">
10
11 <html>
12 <head>
13 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
14 <title>JSP Page</title>
15 </head>
16 <body>
17 <h1>Hello World!</h1>
18 </body>
19 </html>
20
Output
LectureExample (run)
Apache Tomcat 6.0.26 Log
Apache Tomcat 6.0.26
20-Nov-2012 15:02:48 org.apache.catalina.core.AprLifecycleListener init
INFO: The APR based Apache Tomcat Native library which allows optimal performance in production environments was not found on the java.library.path:
20-Nov-2012 15:02:48 org.apache.coyote.http11.Http11Protocol init
Stop the Server
15:02:48 org.apache.catalina.startup.Catalina load
INFO: Initialization processed in 467 ms
20-Nov-2012 15:02:48 org.apache.catalina.core.StandardService start
INFO: Starting service Catalina
20-Nov-2012 15:02:48 org.apache.catalina.core.StandardEngine start
Tasks
Output
Test Results
1 | 1
INS


ConfiguringIDE.odp - Li...
LectureExample - NetB...
Save Screenshot
13 °C 15:09
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
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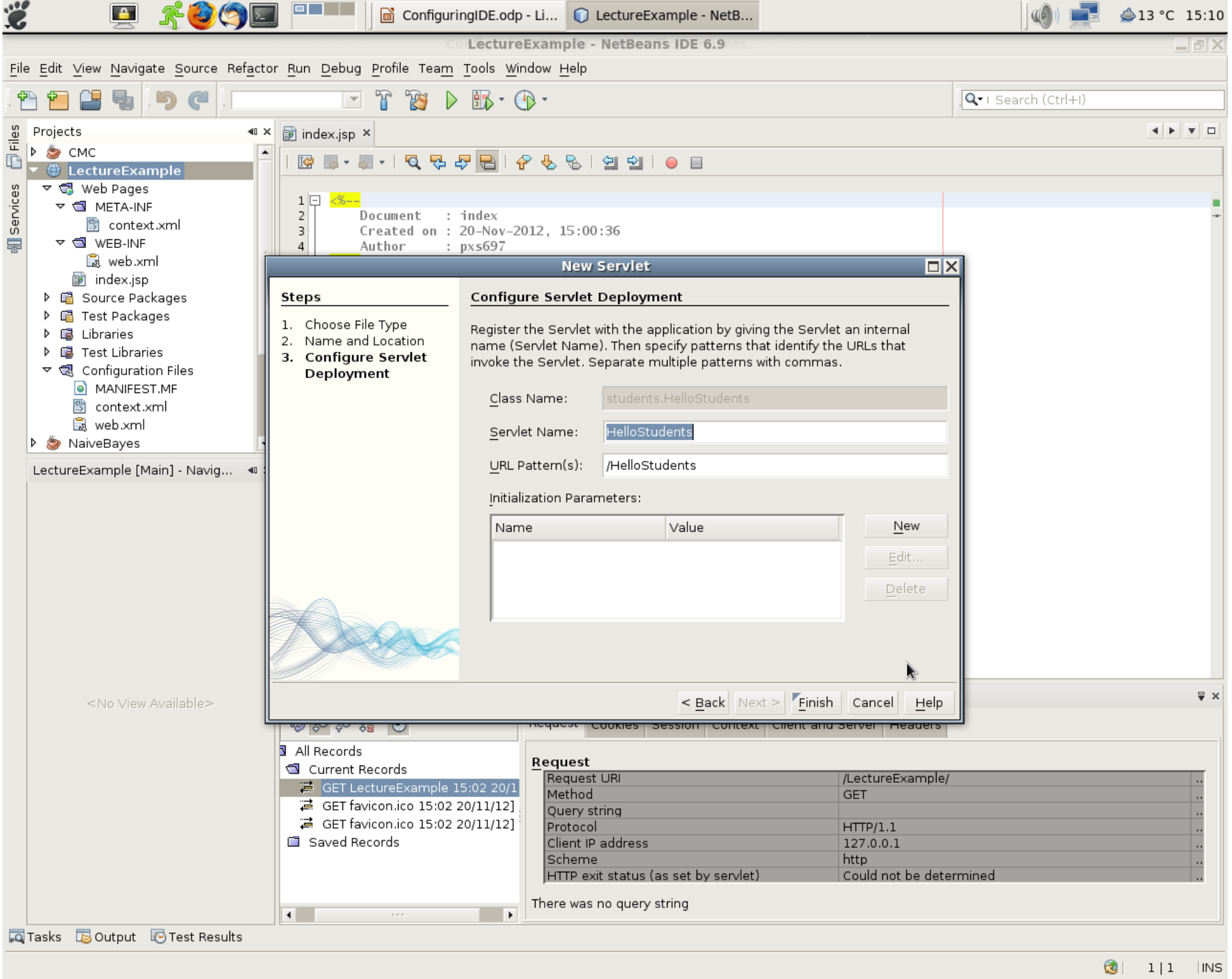
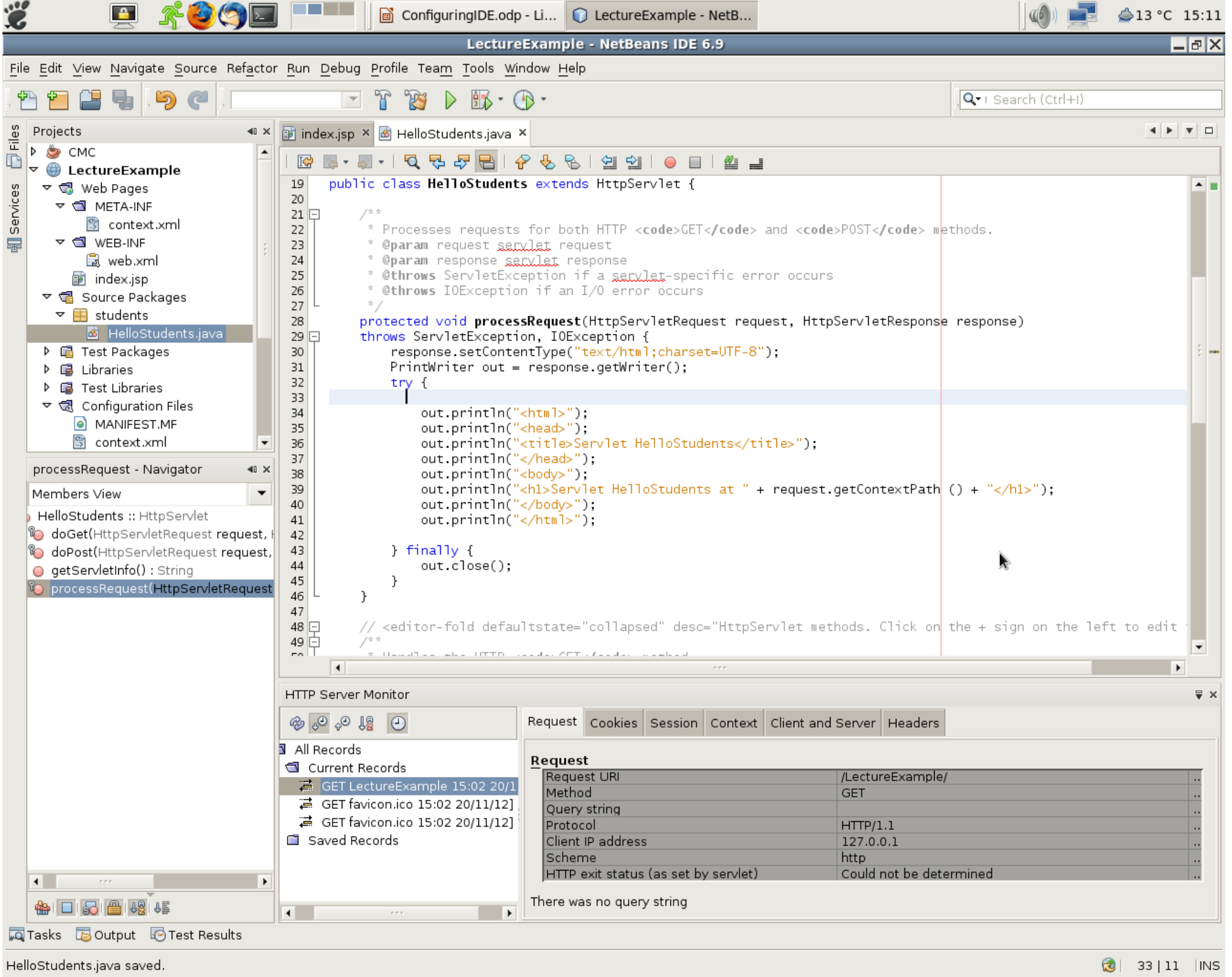
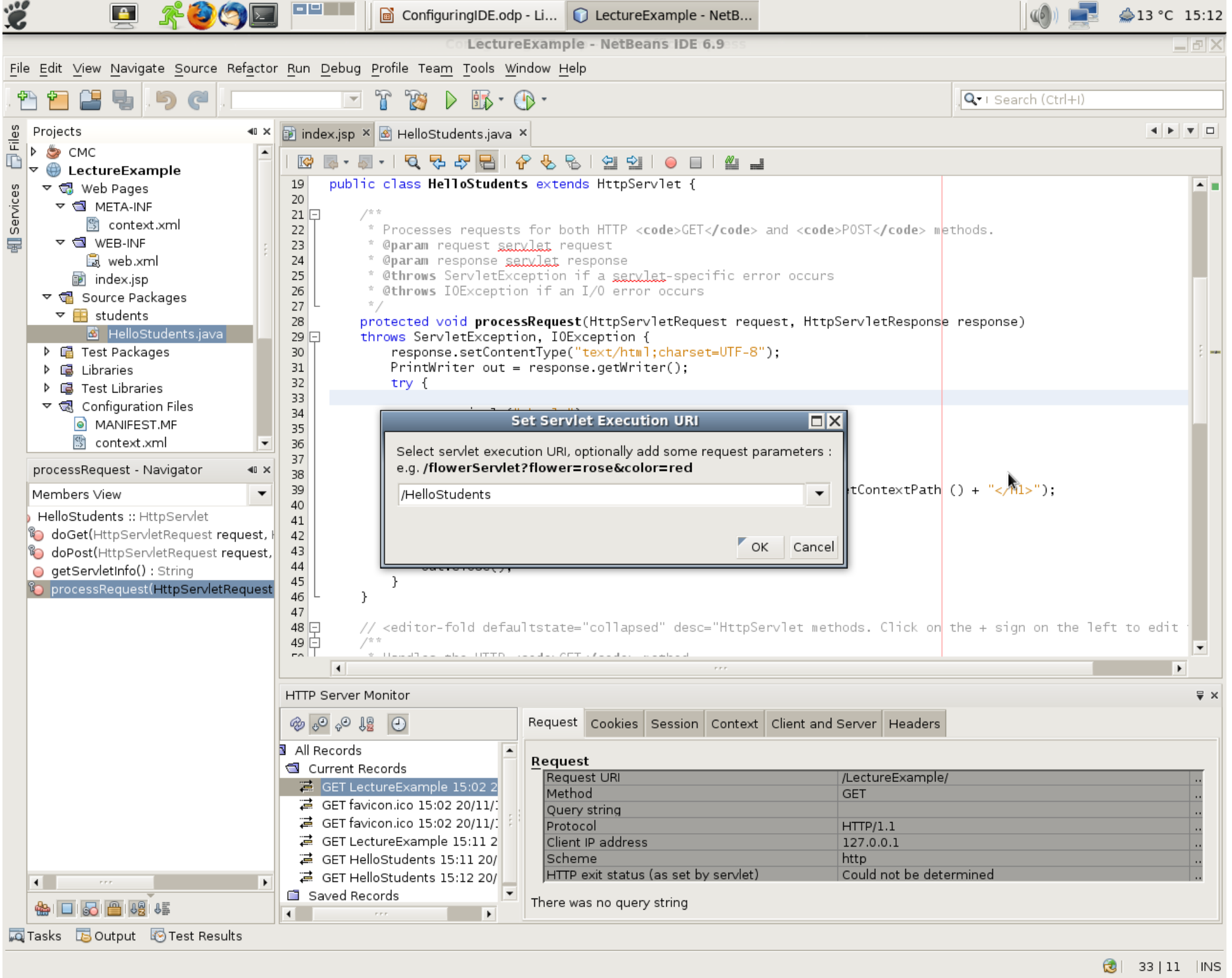
LectureExample
Web Pages
META-INF
context.xml
WEB-INF
web.xml
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
MANIFEST.MF
context.xml
web.xml
NaiveBayes
index.jsp
<%--
Document : index
Created on : 20-Nov-2012, 15:00:36
Author : pxs697
New Servlet
Steps
1. Choose File Type
2. Name and Location
3. Configure Servlet Deployment
Name and Location
Class Name: HelloStudents
Project: LectureExample
Location: Source Packages
Package: students
Created File: s Projects/LectureExample/src/java/students/HelloStudents.java
< Back
Next >
Finish
Cancel
Help
LectureExample [Main] - Navig...
<No View Available>
All Records
Current Records
GET LectureExample 15:02 20/1
GET favicon.ico 15:02 20/11/12]
GET favicon.ico 15:02 20/11/12]
Saved Records
Request
Request URI /LectureExample/
Method GET
Query string
Protocol HTTP/1.1
Client IP address 127.0.0.1
Scheme http
HTTP exit status (as set by servlet) Could not be determined
There was no query string
Tasks
Output
Test Results
1 | 1
INS


ConfiguringIDE.odp - Li...
LectureExample - NetB...
13 °C 15:10
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
context.xml
WEB-INF
web.xml
index.jsp
Source Packages
Test Packages
Libraries
Test Libraries
Configuration Files
MANIFEST.MF
context.xml
web.xml
NaiveBayes
index.jsp
1 <%--
2 Document : index
3 Created on : 20-Nov-2012, 15:00:36
4 Author : pxs697
New Servlet
Steps
1. Choose File Type
2. Name and Location
3. Configure Servlet Deployment
Configure Servlet Deployment
Register the Servlet with the application by giving the Servlet an internal name (Servlet Name). Then specify patterns that identify the URLs that invoke the Servlet. Separate multiple patterns with commas.
Class Name: students.HelloStudents
Servlet Name: HelloStudents
URL Pattern(s): /HelloStudents
Initialization Parameters:
Name
Value
New
Edit...
Delete
< Back
Next >
Finish
Cancel
Help
LectureExample [Main] - Navig...
<No View Available>
All Records
Current Records
GET LectureExample 15:02 20/1
GET favicon.ico 15:02 20/11/12]
GET favicon.ico 15:02 20/11/12]
Saved Records
Request
Request URI /LectureExample/
Method GET
Query string
Protocol HTTP/1.1
Client IP address 127.0.0.1
Scheme http
HTTP exit status (as set by servlet) Could not be determined
There was no query string
Tasks
Output
Test Results
1 | 1
INS


ConfiguringIDE.odp - Li...
LectureExample - NetB...
13 °C 15:11
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
context.xml
WEB-INF
web.xml
index.jsp
Source Packages
students
HelloStudents.java
Test Packages
Libraries
Test Libraries
Configuration Files
MANIFEST.MF
context.xml
processRequest - Navigator
Members View
HelloStudents :: HttpServlet
doGet(HttpServletRequest request,
doPost(HttpServletRequest request,
getServletInfo() : String
processRequest(HttpServletRequest
index.jsp
HelloStudents.java
19 public class HelloStudents extends HttpServlet {
20
21 /**
22 * Processes requests for both HTTP <code>GET</code> and <code>POST</code> methods.
23 * @param request servlet request
24 * @param response servlet response
25 * @throws ServletException if a servlet-specific error occurs
26 * @throws IOException if an I/O error occurs
27 */
28 protected void processRequest(HttpServletRequest request, HttpServletResponse response)
29 throws ServletException, IOException {
30 response.setContentType("text/html;charset=UTF-8");
31 PrintWriter out = response.getWriter();
32 try {
33
34 out.println("<html>");
35 out.println("<head>");
36 out.println("<title>Servlet HelloStudents</title>");
37 out.println("</head>");
38 out.println("<body>");
39 out.println("<h1>Servlet HelloStudents at " + request.getContextPath () + "</h1>");
40 out.println("</body>");
41 out.println("</html>");
42
43 } finally {
44 out.close();
45 }
46 }
47
48 // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit
49 /**
HTTP Server Monitor
All Records
Current Records
GET LectureExample 15:02 20/1
GET favicon.ico 15:02 20/11/12]
GET favicon.ico 15:02 20/11/12]
Saved Records
Request
Cookies
Session
Context
Client and Server
Headers
Request
Request URI /LectureExample/
Method GET
Query string
Protocol HTTP/1.1
Client IP address 127.0.0.1
Scheme http
HTTP exit status (as set by servlet) Could not be determined
There was no query string
Tasks
Output
Test Results
HelloStudents.java saved.
33 | 11
INS


ConfiguringIDE.odp - Li...
LectureExample - NetB...
13 °C 15:12
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
context.xml
WEB-INF
web.xml
index.jsp
Source Packages
students
HelloStudents.java
Test Packages
Libraries
Test Libraries
Configuration Files
MANIFEST.MF
context.xml
index.jsp
HelloStudents.java
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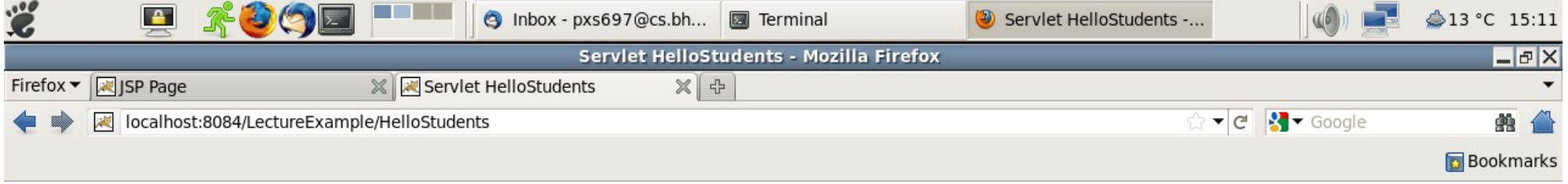
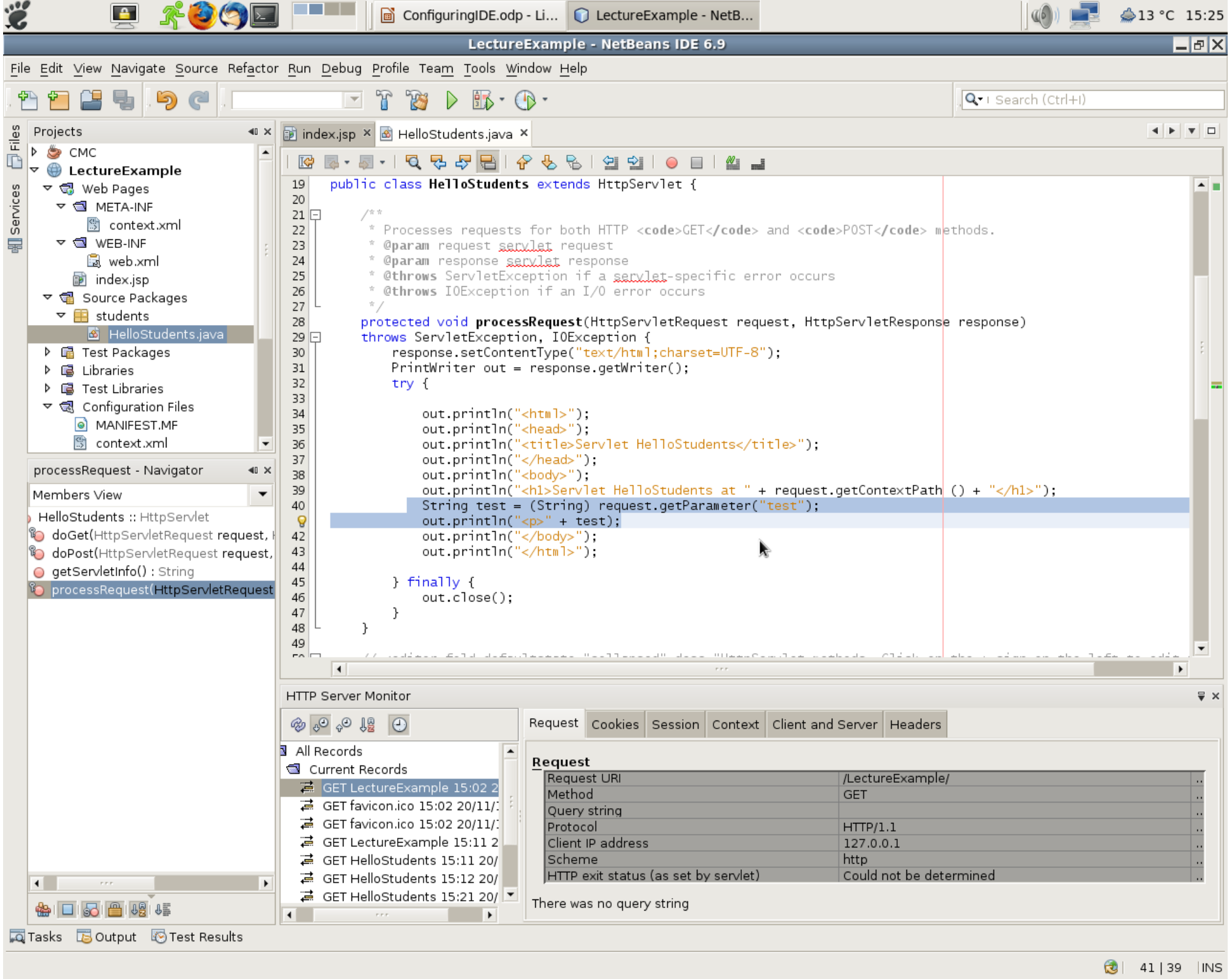
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
*/
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
response.setContentType("text/html;charset=UTF-8");
PrintWriter out = response.getWriter();
try {
Set Servlet Execution URI
Select servlet execution URI, optionally add some request parameters :
e.g. /flowerServlet?flower=rose&color=red
/HelloStudents
OK
Cancel
processRequest - Navigator
Members View
HelloStudents :: HttpServlet
doGet(HttpServletRequest request,
doPost(HttpServletRequest request,
getServletInfo() : String
processRequest(HttpServletRequest
HTTP Server Monitor
All Records
Current Records
GET LectureExample 15:02 2
GET favicon.ico 15:02 20/11/1
GET favicon.ico 15:02 20/11/1
GET LectureExample 15:11 2
GET HelloStudents 15:11 20/
GET HelloStudents 15:12 20/
Saved Records
Request
Cookies
Session
Context
Client and Server
Headers
Request
Request URI /LectureExample/
Method GET
Query string
Protocol HTTP/1.1
Client IP address 127.0.0.1
Scheme http
HTTP exit status (as set by servlet) Could not be determined
There was no query string
Tasks
Output
Test Results
33 | 11
INS



Servlet HelloStudents at /LectureExample


ConfiguringIDE.odp - Li...
LectureExample - NetB...
13 °C 15:25
LectureExample - NetBeans IDE 6.9
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
CMC
LectureExample
Web Pages
META-INF
context.xml
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19 public class HelloStudents extends HttpServlet {
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26 * @throws IOException if an I/O error occurs
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30 response.setContentType("text/html;charset=UTF-8");
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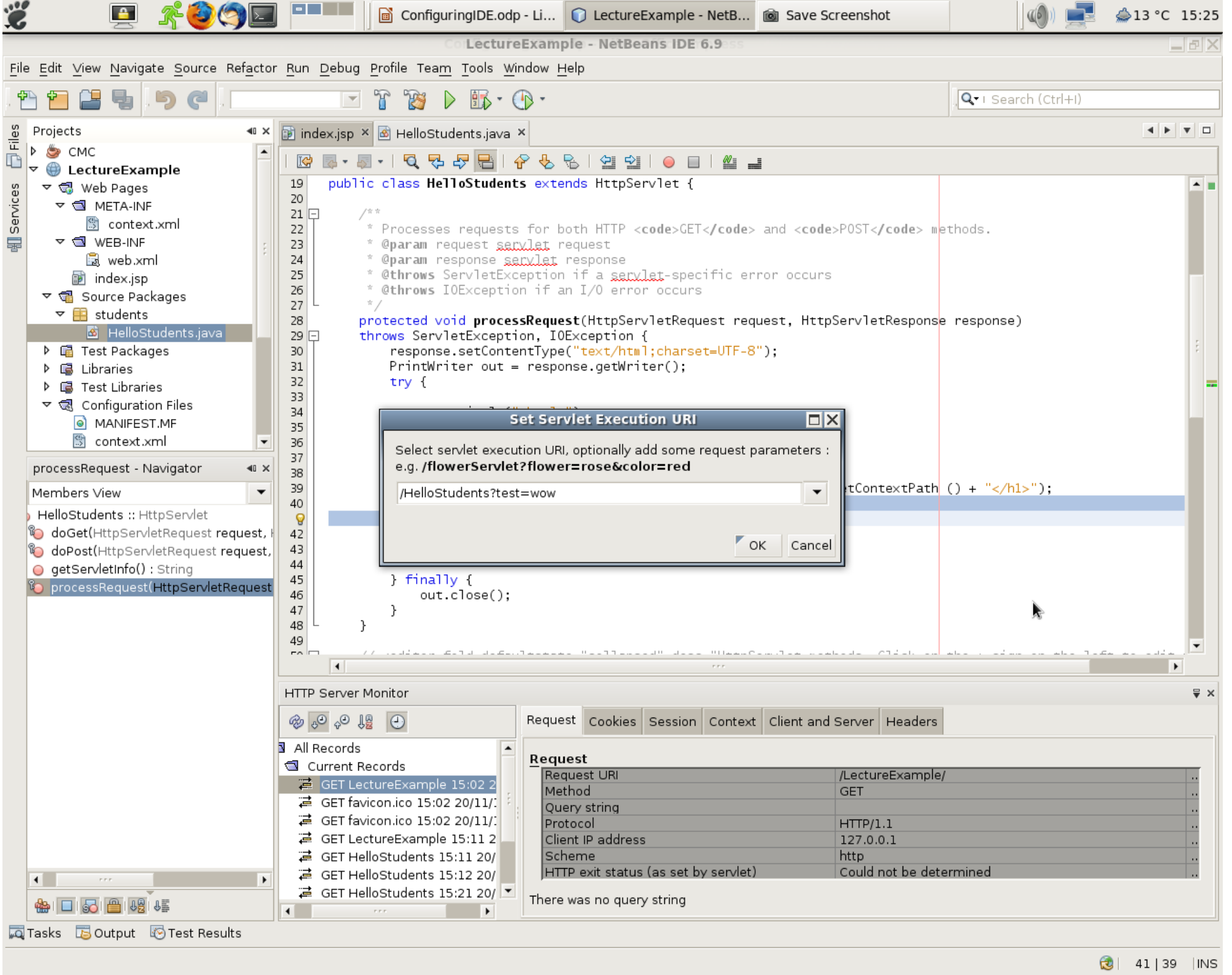
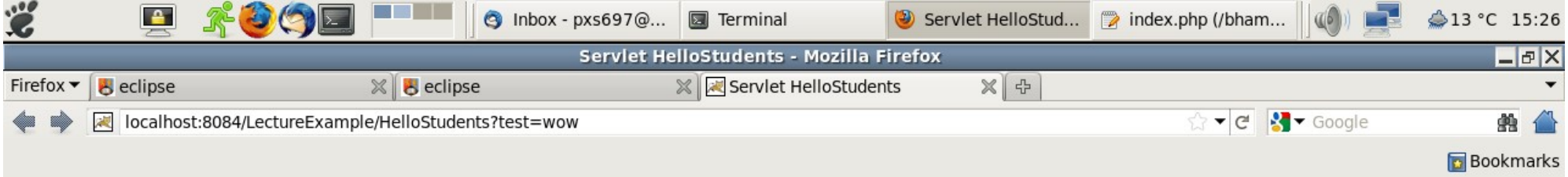
33
34 out.println("<html>");
35 out.println("<head>");
36 out.println("<title>Servlet HelloStudents</title>");
37 out.println("</head>");
38 out.println("<body>");
39 out.println("<h1>Servlet HelloStudents at " + request.getContextPath () + "</h1>");
40 String test = (String) request.getParameter("test");
out.println("<p>" + test);
42 out.println("</body>");
43 out.println("</html>");
44
45 } finally {
46 out.close();
47 }
48 }
49
HTTP Server Monitor
All Records
Current Records
GET LectureExample 15:02 2
GET favicon.ico 15:02 20/11/1
GET favicon.ico 15:02 20/11/1
GET LectureExample 15:11 2
GET HelloStudents 15:11 20/
GET HelloStudents 15:12 20/
GET HelloStudents 15:21 20/
Request
Cookies
Session
Context
Client and Server
Headers
Request
Request URI /LectureExample/
Method GET
Query string
Protocol HTTP/1.1
Client IP address 127.0.0.1
Scheme http
HTTP exit status (as set by servlet) Could not be determined
There was no query string
Tasks
Output
Test Results
41 | 39
INS

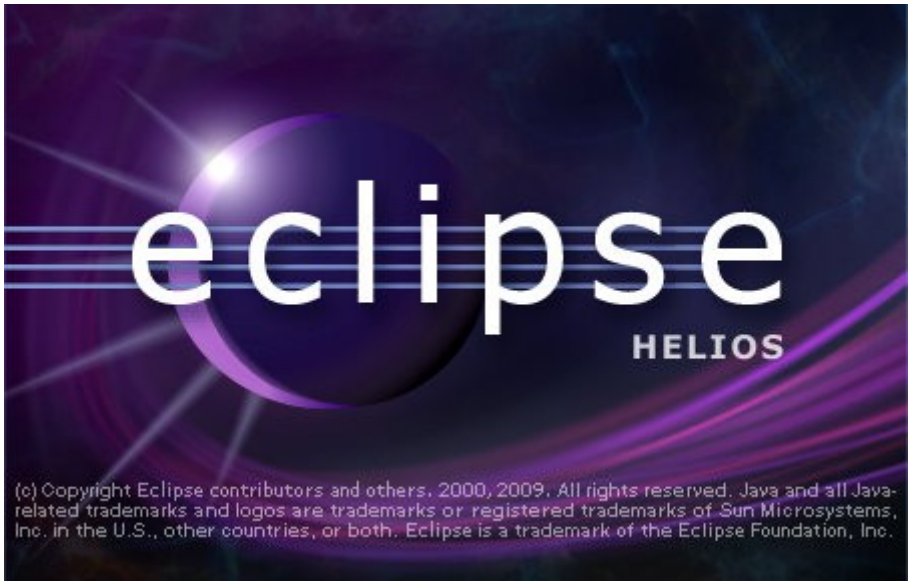



```
19  public class HelloStudents extends HttpServlet {
20
21      /**
22       * Processes requests for both HTTP <code>GET</code> and <code>POST</code> methods.
23       * @param request servlet request
24       * @param response servlet response
25       * @throws ServletException if a servlet-specific error occurs
26       * @throws IOException if an I/O error occurs
27       */
28      protected void processRequest(HttpServletRequest request, HttpServletResponse response)
29      throws ServletException, IOException {
30          response.setContentType("text/html;charset=UTF-8");
31          PrintWriter out = response.getWriter();
32          try {
33
34
35
36
37
38
39                                                          tContextPath () + "</h1>");
40
41
42
43
44
45          } finally {
46              out.close();
47          }
48      }
49
```



Servlet HelloStudents at /LectureExample

wow


eclipse
HELIOS
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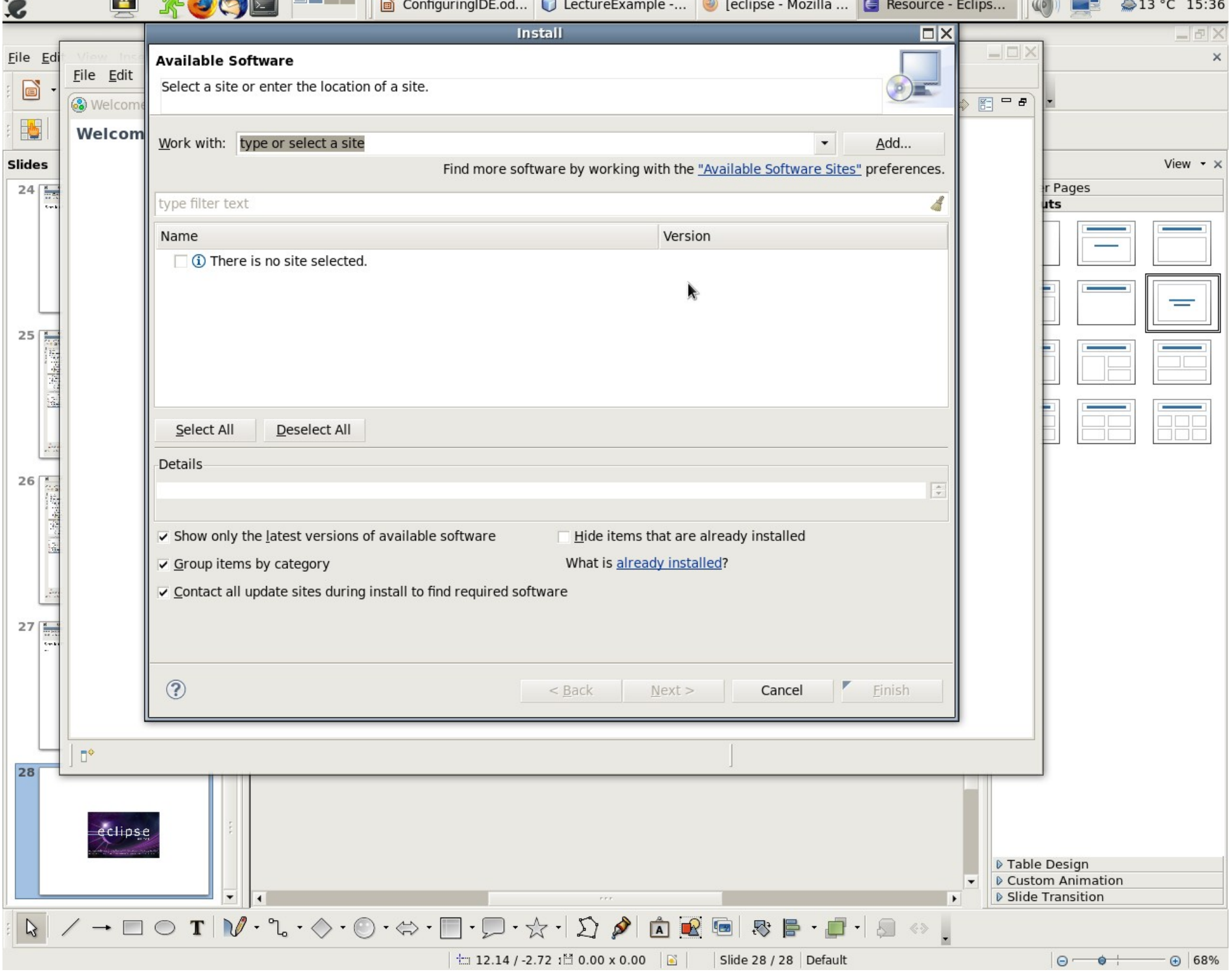
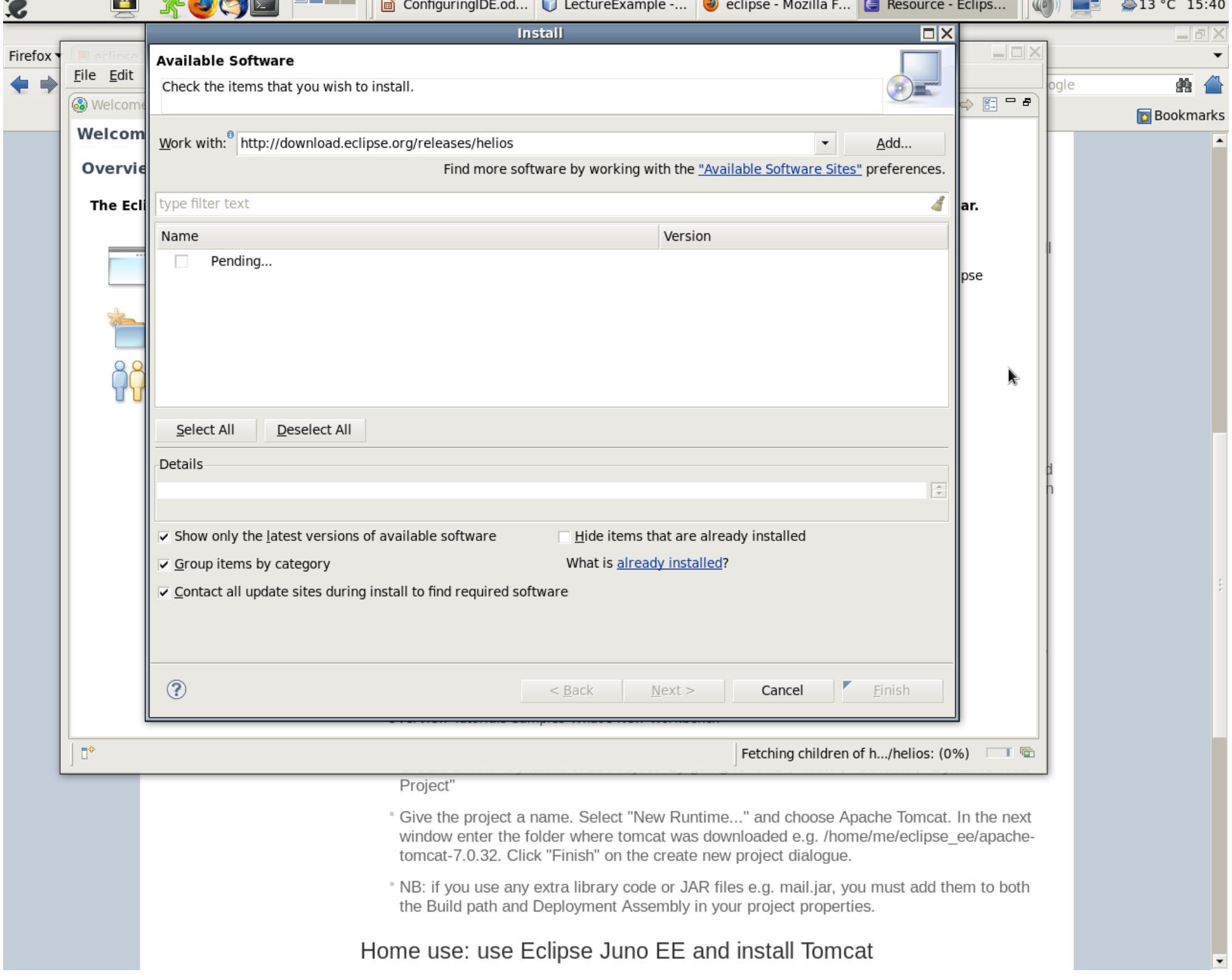
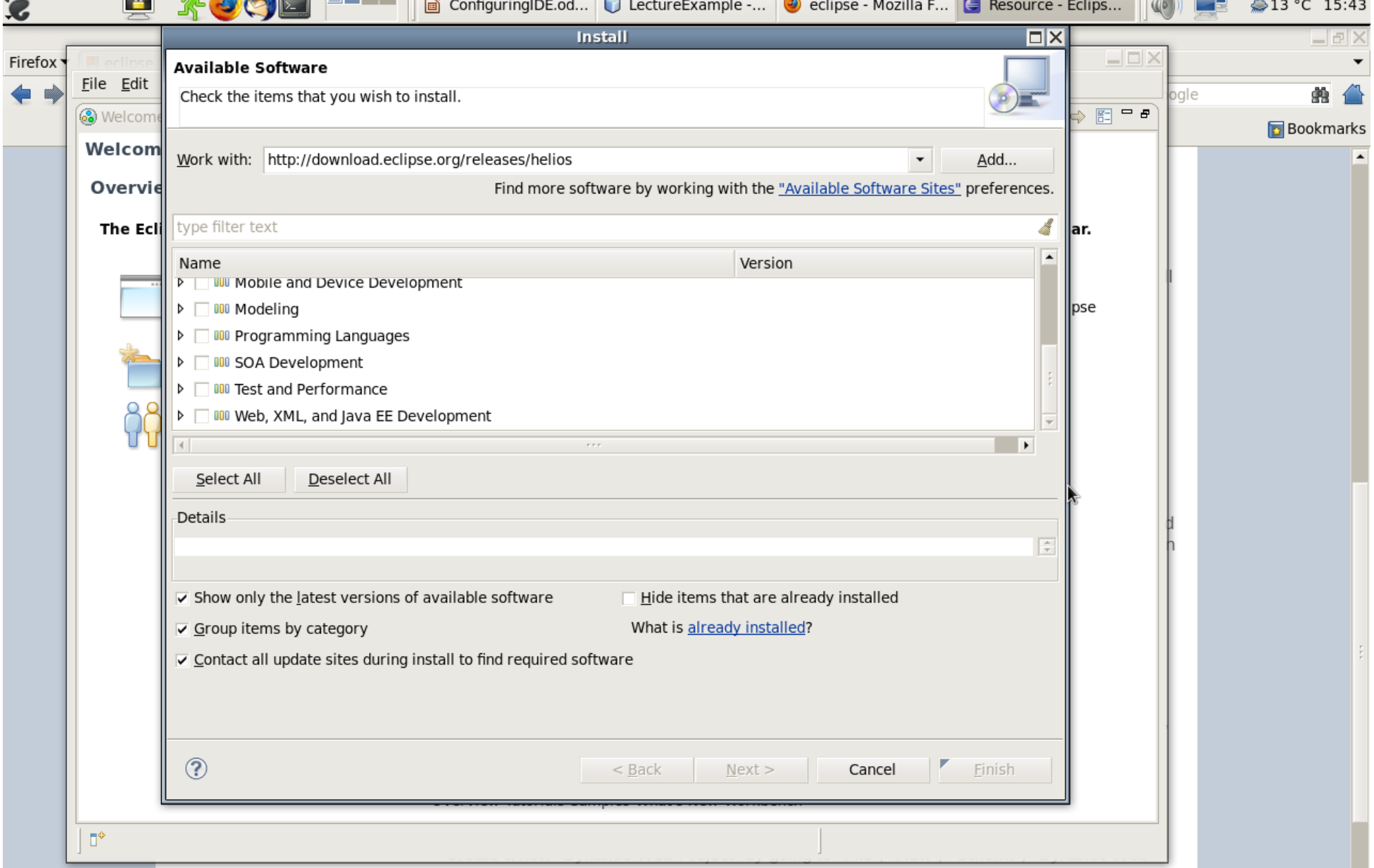

Install
Available Software
Select a site or enter the location of a site.
Work with:
type or select a site
Add...
Find more software by working with the "Available Software Sites" preferences.
type filter text
Name
Version
There is no site selected.
Select All
Deselect All
Details
Show only the latest versions of available software
Hide items that are already installed
Group items by category
What is already installed?
Contact all update sites during install to find required software
< Back
Next >
Cancel
Finish
File
Edit
Slides
Table Design
Custom Animation
Slide Transition
Slide 28 / 28
Default
68%


Install
Available Software
Check the items that you wish to install.
Work with:
http://download.eclipse.org/releases/helios
Add...
Find more software by working with the "Available Software Sites" preferences.
type filter text
Name
Version
Pending...
Select All
Deselect All
Details
Show only the latest versions of available software
Hide items that are already installed
Group items by category
What is already installed?
Contact all update sites during install to find required software
< Back
Next >
Cancel
Finish
Fetching children of h.../helios: (0%)
Project"
Give the project a name. Select "New Runtime..." and choose Apache Tomcat. In the next window enter the folder where tomcat was downloaded e.g. /home/me/eclipse_ee/apache-tomcat-7.0.32. Click "Finish" on the create new project dialogue.
NB: if you use any extra library code or JAR files e.g. mail.jar, you must add them to both the Build path and Deployment Assembly in your project properties.
Home use: use Eclipse Juno EE and install Tomcat



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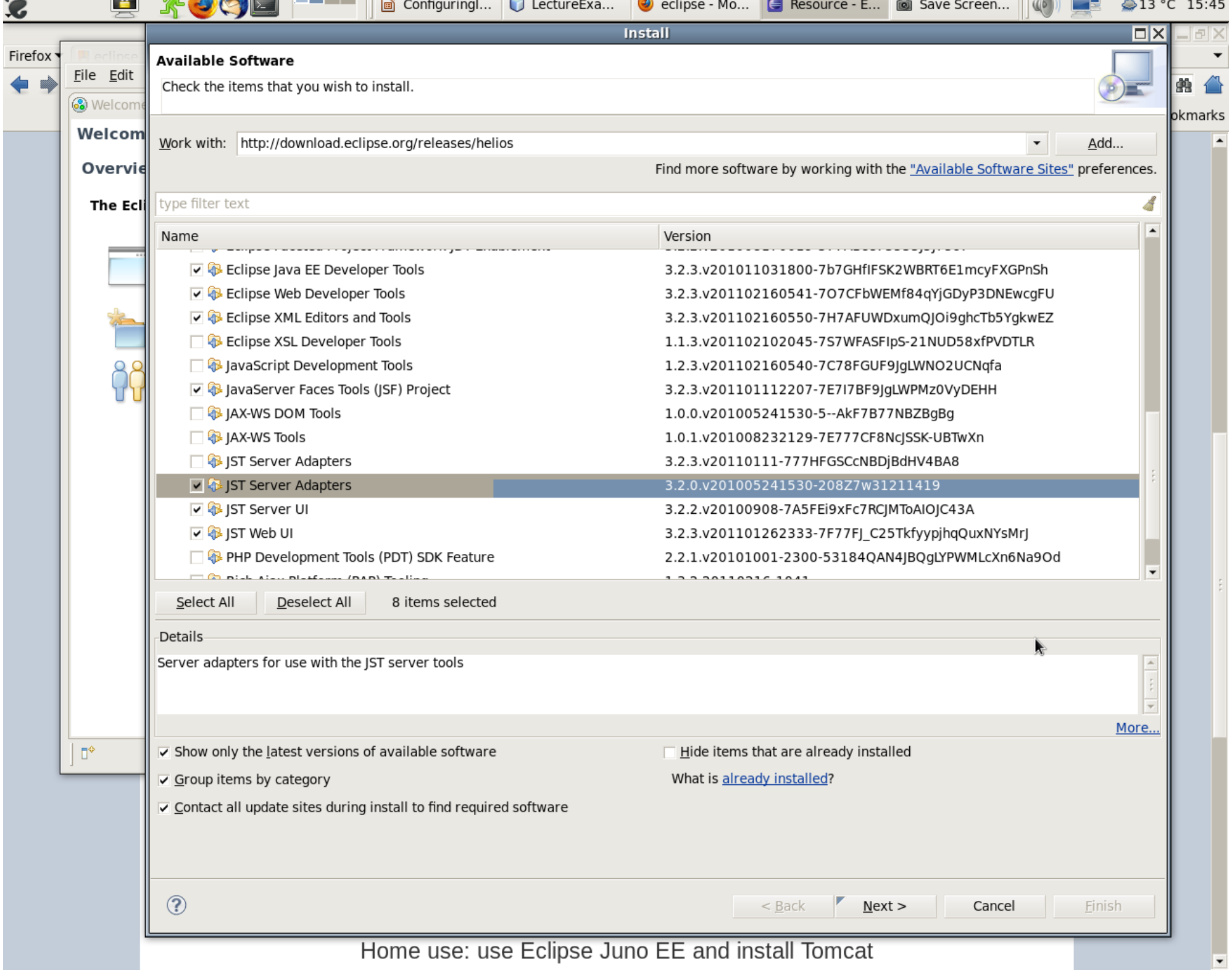

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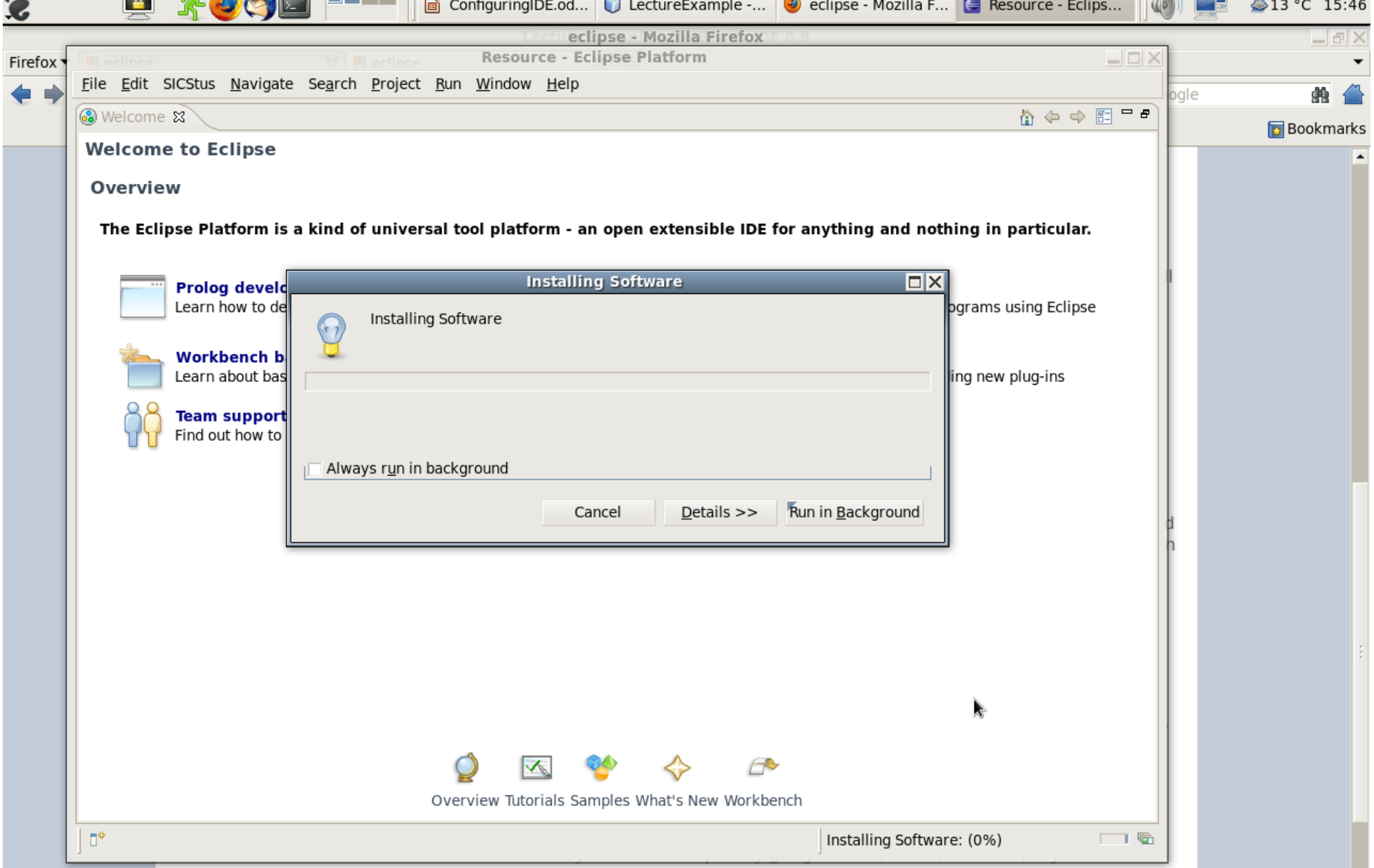

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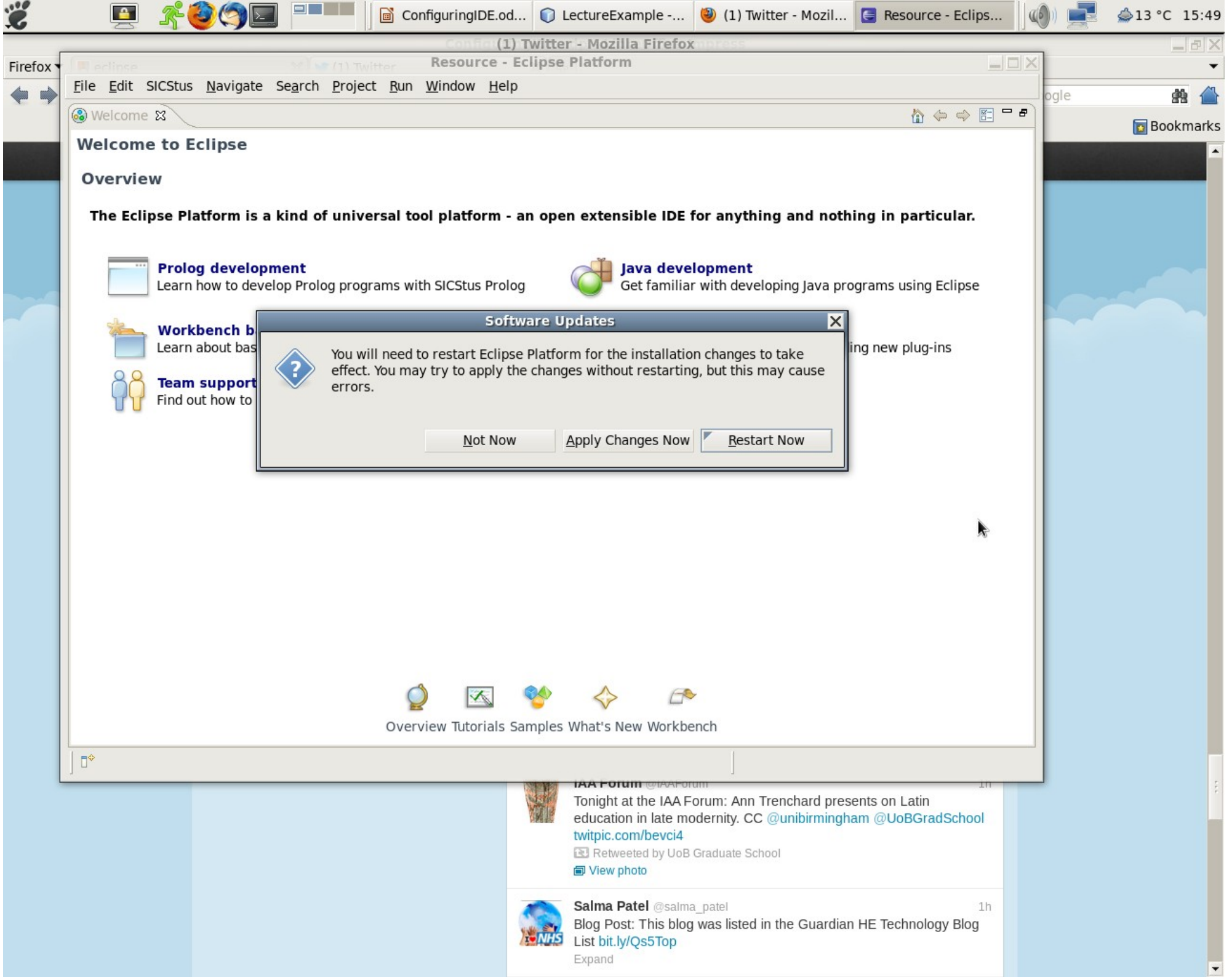
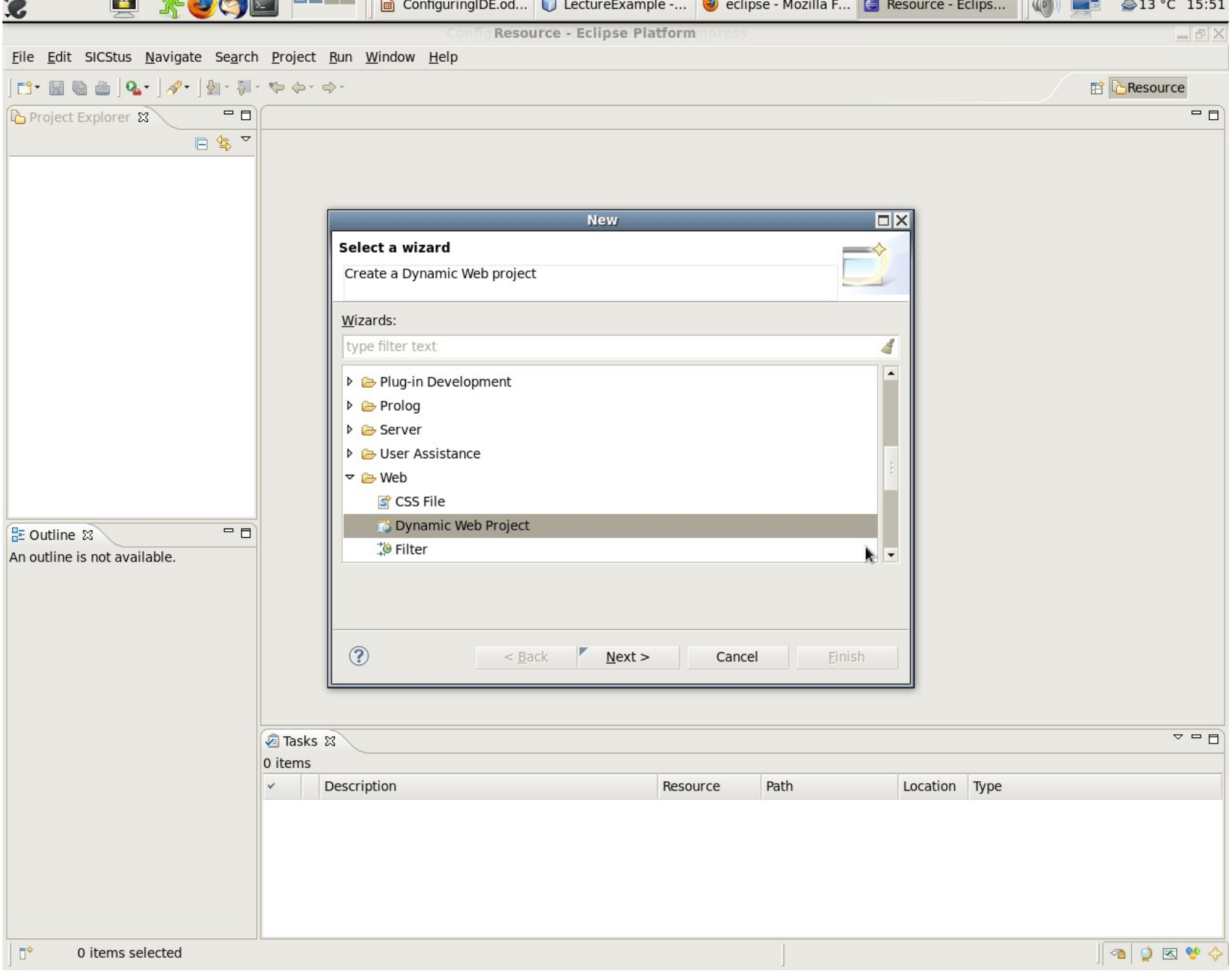
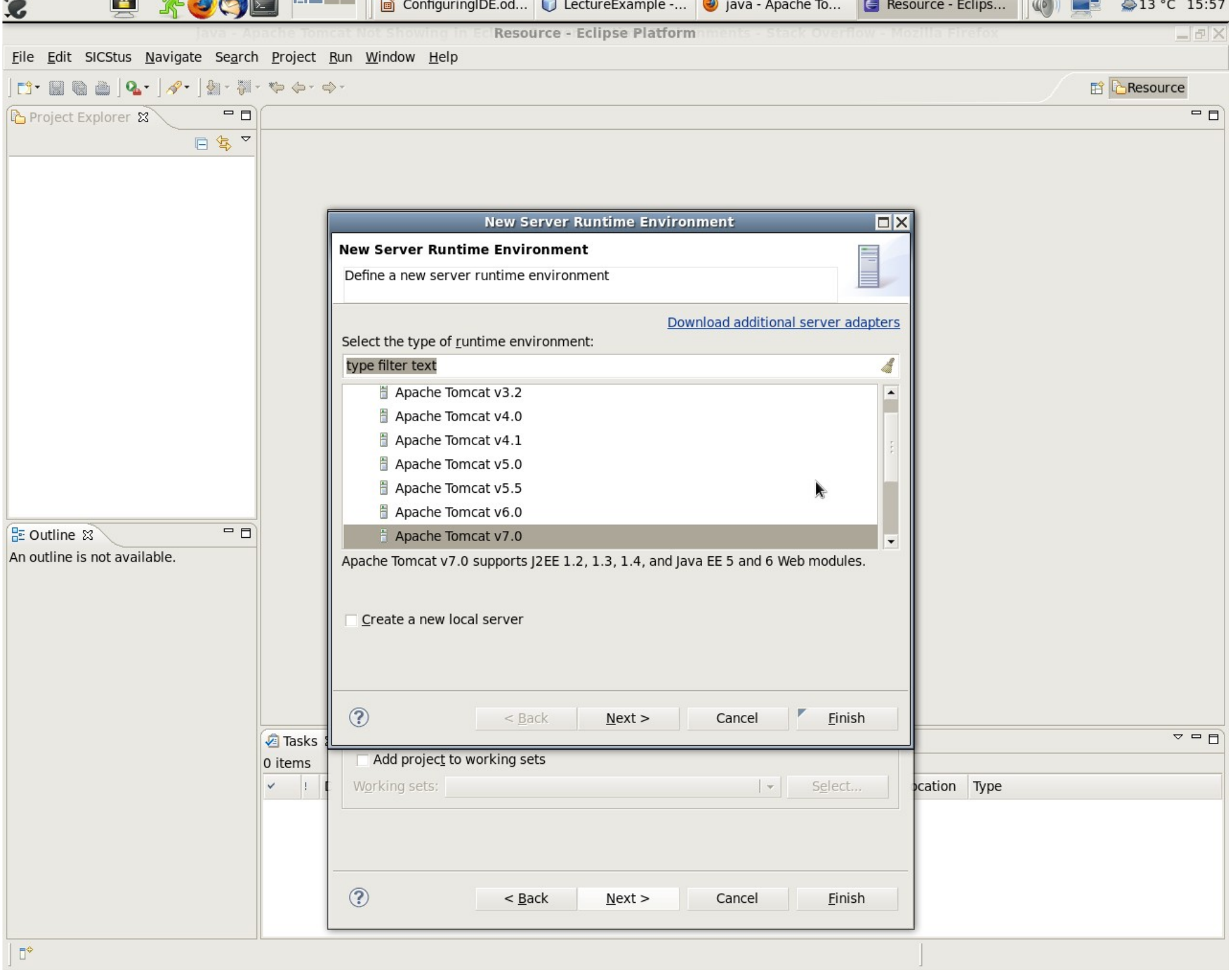
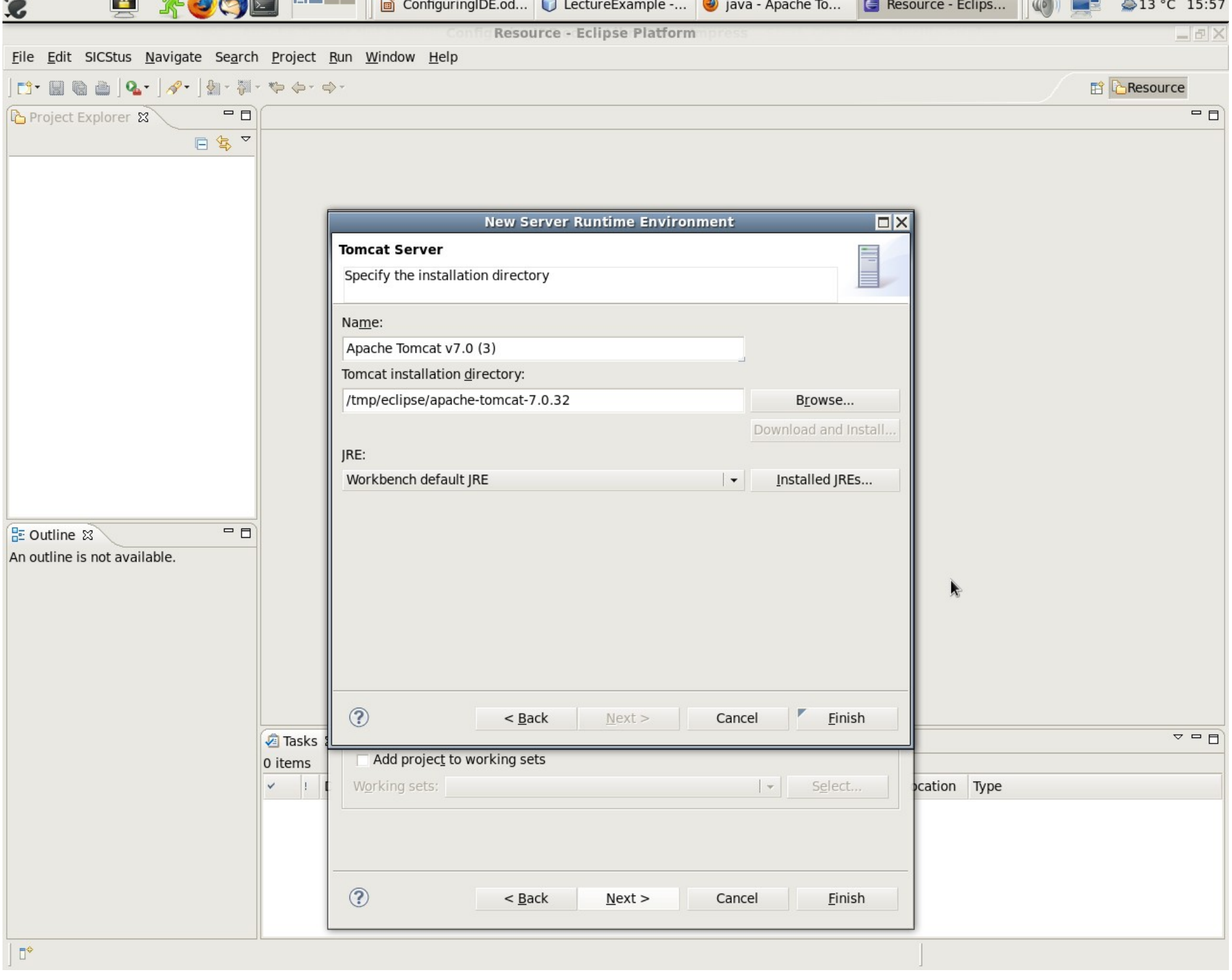
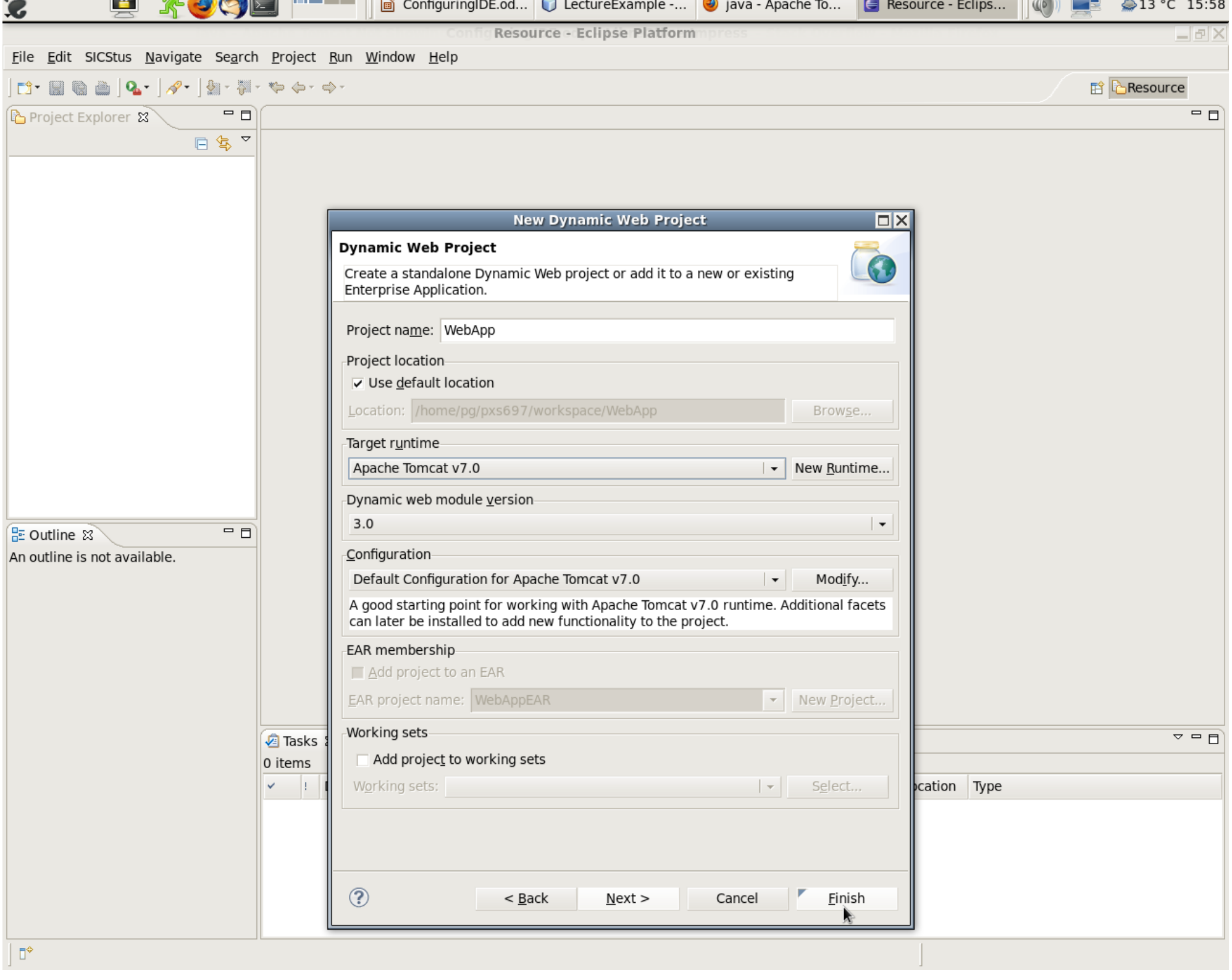
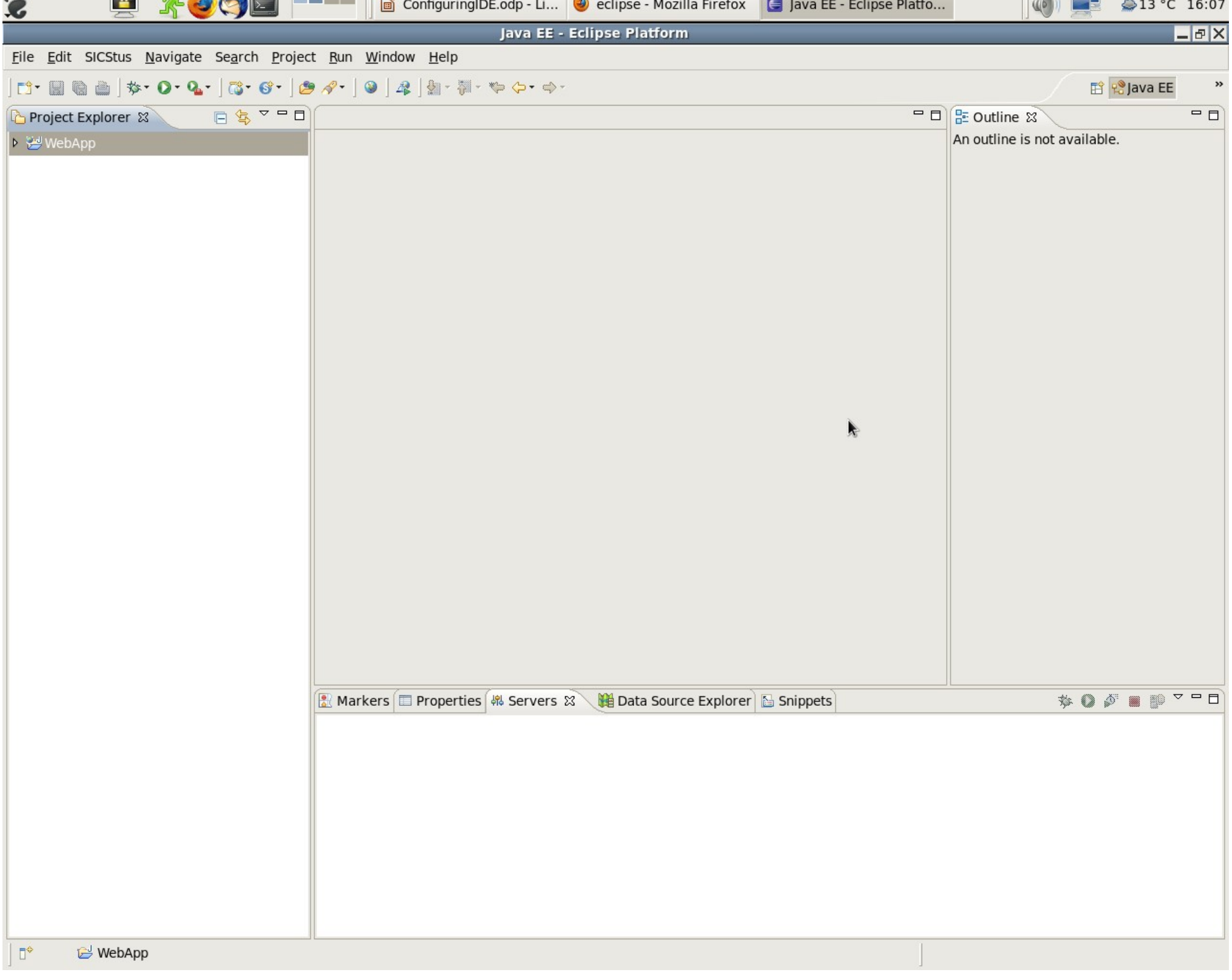

ConfiguringIDE.od...
LectureExample -...
(1) Twitter - Mozil...
Resource - Eclips...
13 °C 15:49
(1) Twitter - Mozilla Firefox
Resource - Eclipse Platform
File Edit SICStus Navigate Search Project Run Window Help
Welcome
Welcome to Eclipse
Overview
The Eclipse Platform is a kind of universal tool platform - an open extensible IDE for anything and nothing in particular.
Prolog development
Learn how to develop Prolog programs with SICStus Prolog
Java development
Get familiar with developing Java programs using Eclipse
Workbench b
Learn about bas
ing new plug-ins
Team support
Find out how to
Software Updates
You will need to restart Eclipse Platform for the installation changes to take effect. You may try to apply the changes without restarting, but this may cause errors.
Not Now
Apply Changes Now
Restart Now
Overview Tutorials Samples What's New Workbench
Bookmarks
Tonight at the IAA Forum: Ann Trenchard presents on Latin education in late modernity. CC @unibirmingham @UoBGradSchool twitpic.com/bevci4
Retweeted by UoB Graduate School
View photo
Salma Patel @salma_patel 1h
Blog Post: This blog was listed in the Guardian HE Technology Blog List bit.ly/Qs5Top
Expand

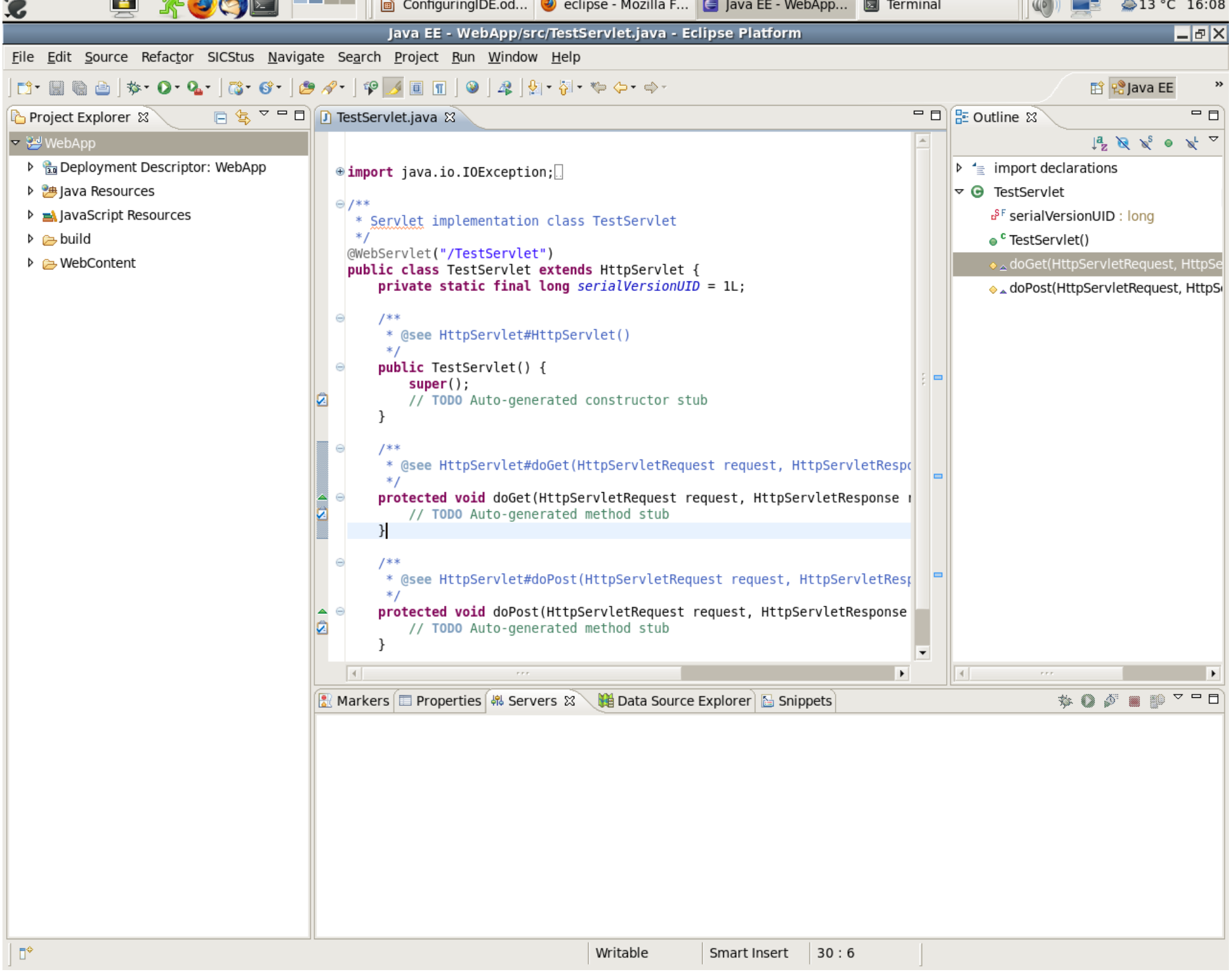

ConfiguringIDE.od...
LectureExample -...
eclipse - Mozilla F...
Resource - Eclips...
13 °C 15:51
Resource - Eclipse Platform
File Edit SICStus Navigate Search Project Run Window Help
Resource
Project Explorer
Outline
An outline is not available.
New
Select a wizard
Create a Dynamic Web project
Wizards:
type filter text
Plug-in Development
Prolog
Server
User Assistance
Web
CSS File
Dynamic Web Project
Filter
< Back
Next >
Cancel
Finish
Tasks
0 items
Description
Resource
Path
Location
Type
0 items selected

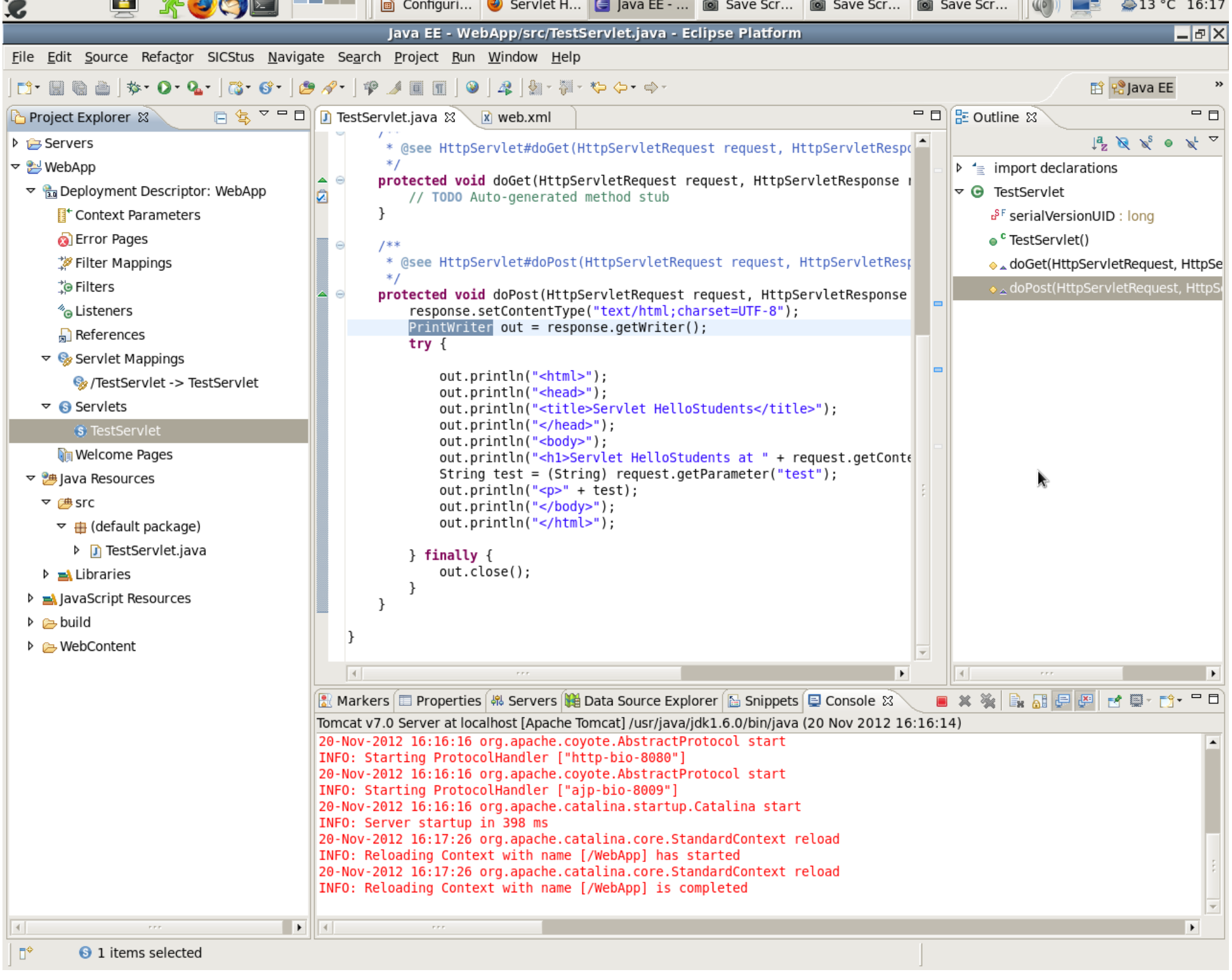

ConfiguringIDE.od...
LectureExample -...
java - Apache To...
Resource - Eclips...
13 °C 15:57
Resource - Eclipse Platform
File Edit SICStus Navigate Search Project Run Window Help
Resource
Project Explorer
Outline
An outline is not available.
New Server Runtime Environment
New Server Runtime Environment
Define a new server runtime environment
Download additional server adapters
Select the type of runtime environment:
type filter text
Apache Tomcat v3.2
Apache Tomcat v4.0
Apache Tomcat v4.1
Apache Tomcat v5.0
Apache Tomcat v5.5
Apache Tomcat v6.0
Apache Tomcat v7.0
Apache Tomcat v7.0 supports J2EE 1.2, 1.3, 1.4, and Java EE 5 and 6 Web modules.
Create a new local server
< Back
Next >
Cancel
Finish
Tasks
0 items
Add project to working sets
Working sets:
Select...
Type
< Back
Next >
Cancel
Finish

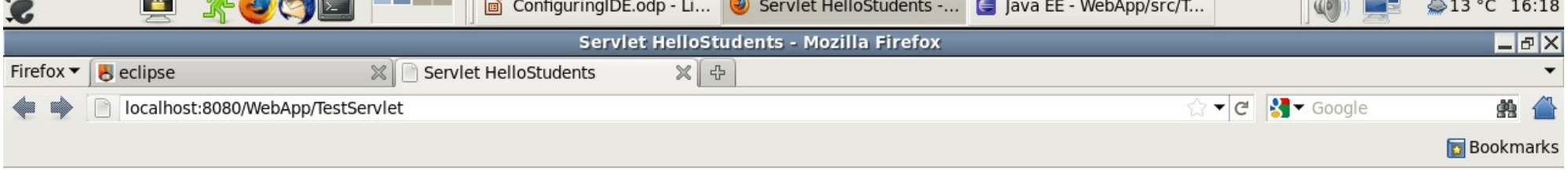

ConfiguringIDE.od...
LectureExample -...
java - Apache To...
Resource - Eclips...
13 °C 15:57
Resource - Eclipse Platform
File Edit SICStus Navigate Search Project Run Window Help
Resource
Project Explorer
Outline
An outline is not available.
New Server Runtime Environment
Tomcat Server
Specify the installation directory
Name:
Apache Tomcat v7.0 (3)
Tomcat installation directory:
/tmp/eclipse/apache-tomcat-7.0.32
Browse...
Download and Install...
JRE:
Workbench default JRE
Installed JREs...
< Back
Next >
Cancel
Finish
Tasks
0 items
Add project to working sets
Working sets:
Select...
Type
< Back
Next >
Cancel
Finish


Resource - Eclipse Platform
File Edit SICStus Navigate Search Project Run Window Help
Resource
Project Explorer
Outline
An outline is not available.
Tasks
0 items
Type
New Dynamic Web Project
Dynamic Web Project
Create a standalone Dynamic Web project or add it to a new or existing Enterprise Application.
Project name: WebApp
Project location
Use default location
Location: /home/pg/pxs697/workspace/WebApp
Browse...
Target runtime
Apache Tomcat v7.0
New Runtime...
Dynamic web module version
3.0
Configuration
Default Configuration for Apache Tomcat v7.0
Modify...
A good starting point for working with Apache Tomcat v7.0 runtime. Additional facets can later be installed to add new functionality to the project.
EAR membership
Add project to an EAR
EAR project name: WebAppEAR
New Project...
Working sets
Add project to working sets
Working sets:
Select...
< Back
Next >
Cancel
Finish


ConfiguringIDE.odp - Li...
eclipse - Mozilla Firefox
Java EE - Eclipse Platfo...
13 °C 16:07
Java EE - Eclipse Platform
File Edit SICStus Navigate Search Project Run Window Help
Java EE
Project Explorer
WebApp
Outline
An outline is not available.
Markers Properties Servers Data Source Explorer Snippets
WebApp


ConfiguringIDE.od...
eclipse - Mozilla F...
Java EE - WebApp...
Terminal
13 °C 16:08
Java EE - WebApp/src/TestServlet.java - Eclipse Platform
File Edit Source Refactor SICStus Navigate Search Project Run Window Help
Java EE
Project Explorer
WebApp
Deployment Descriptor: WebApp
Java Resources
JavaScript Resources
build
WebContent
TestServlet.java
import java.io.IOException;
/**
* Servlet implementation class TestServlet
*/
@WebServlet("/TestServlet")
public class TestServlet extends HttpServlet {
private static final long serialVersionUID = 1L;
/**
* @see HttpServlet#HttpServlet()
*/
public TestServlet() {
super();
// TODO Auto-generated constructor stub
}
/**
* @see HttpServlet#doGet(HttpServletRequest request, HttpServletRespo
*/
protected void doGet(HttpServletRequest request, HttpServletResponse
// TODO Auto-generated method stub
}
/**
* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResp
*/
protected void doPost(HttpServletRequest request, HttpServletResponse
// TODO Auto-generated method stub
}
Outline
import declarations
TestServlet
serialVersionUID : long
TestServlet()
doGet(HttpServletRequest, HttpSe
doPost(HttpServletRequest, HttpS
Markers
Properties
Servers
Data Source Explorer
Snippets
Writable
Smart Insert
30 : 6


Java EE - WebApp/src/TestServlet.java - Eclipse Platform
File Edit Source Refactor SICStus Navigate Search Project Run Window Help
Project Explorer
Servers
WebApp
Deployment Descriptor: WebApp
Context Parameters
Error Pages
Filter Mappings
Filters
Listeners
References
Servlet Mappings
/TestServlet -> TestServlet
Servlets
TestServlet
Welcome Pages
Java Resources
src
(default package)
TestServlet.java
Libraries
JavaScript Resources
build
WebContent
TestServlet.java
web.xml
* @see HttpServlet#doGet(HttpServletRequest request, HttpServletRespo
*/
protected void doGet(HttpServletRequest request, HttpServletResponse
// TODO Auto-generated method stub
}
/**
* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResp
*/
protected void doPost(HttpServletRequest request, HttpServletResponse
response.setContentType("text/html;charset=UTF-8");
PrintWriter out = response.getWriter();
try {
out.println("<html>");
out.println("<head>");
out.println("<title>Servlet HelloStudents</title>");
out.println("</head>");
out.println("<body>");
out.println("<h1>Servlet HelloStudents at " + request.getConte
String test = (String) request.getParameter("test");
out.println("<p>" + test);
out.println("</body>");
out.println("</html>");
} finally {
out.close();
}
}
}
Outline
import declarations
TestServlet
serialVersionUID : long
TestServlet()
doGet(HttpServletRequest, HttpSe
doPost(HttpServletRequest, HttpS
Markers Properties Servers Data Source Explorer Snippets Console
Tomcat v7.0 Server at localhost [Apache Tomcat] /usr/java/jdk1.6.0/bin/java (20 Nov 2012 16:16:14)
20-Nov-2012 16:16:16 org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-bio-8080"]
20-Nov-2012 16:16:16 org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["ajp-bio-8009"]
20-Nov-2012 16:16:16 org.apache.catalina.startup.Catalina start
INFO: Server startup in 398 ms
20-Nov-2012 16:17:26 org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/WebApp] has started
20-Nov-2012 16:17:26 org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/WebApp] is completed
1 items selected



Servlet HelloStudents at /WebApp

null