

SERVLETS AND JSP COURSE

EXERCISE

JSP DECLARATIONS



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EXERCISE OBJECTIVE

Create a program for the basic handling of declarations of a JSP. At the end we should observe the following:



1. CREATE A NEW PROJECT

Create a new web Project using Maven:

New Web Application

Steps

1. Choose Project
- 2. Name and Location**
3. Settings

Name and Location

Project Name: JspDeclarations

Project Location: C:\Courses\Servlets\Lesson12 Browse...

Project Folder: C:\Courses\Servlets\Lesson12\JspDeclarations

Artifact Id: JspDeclarations

Group Id: web

Version: 1

Package: (Optional)

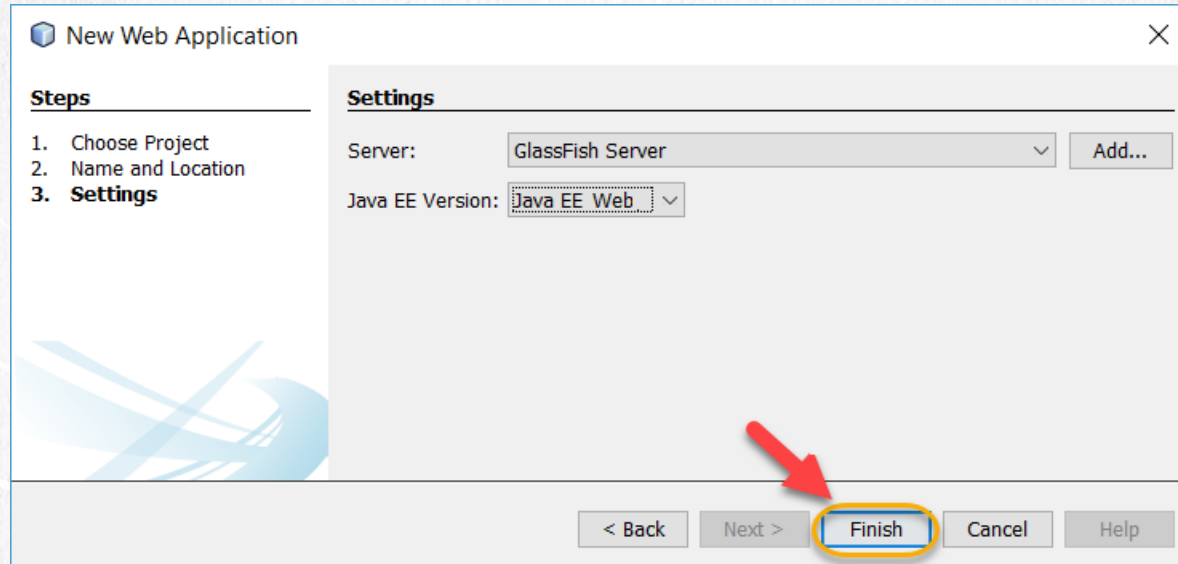
< Back **Next >** Finish Cancel Help

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1. CREATE A NEW PROJECT

Create a new Project:



New Web Application [X]

Steps

1. Choose Project
2. Name and Location
3. **Settings**

Settings

Server: GlassFish Server [v] [Add...]

Java EE Version: Java EE Web [v]

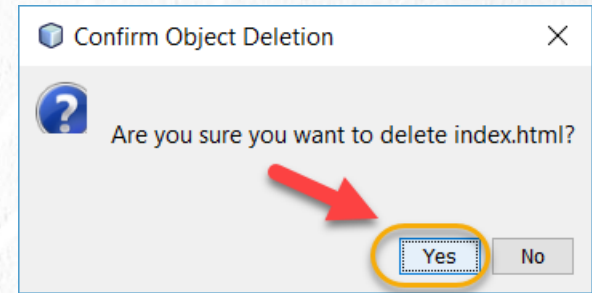
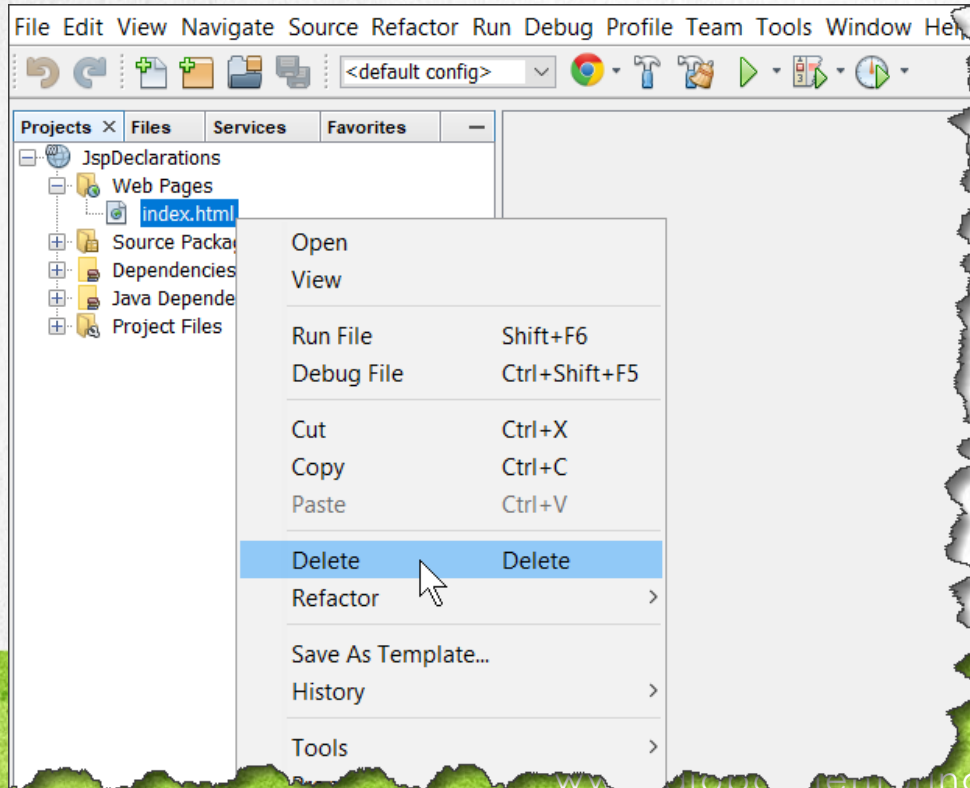
< Back Next > **Finish** Cancel Help

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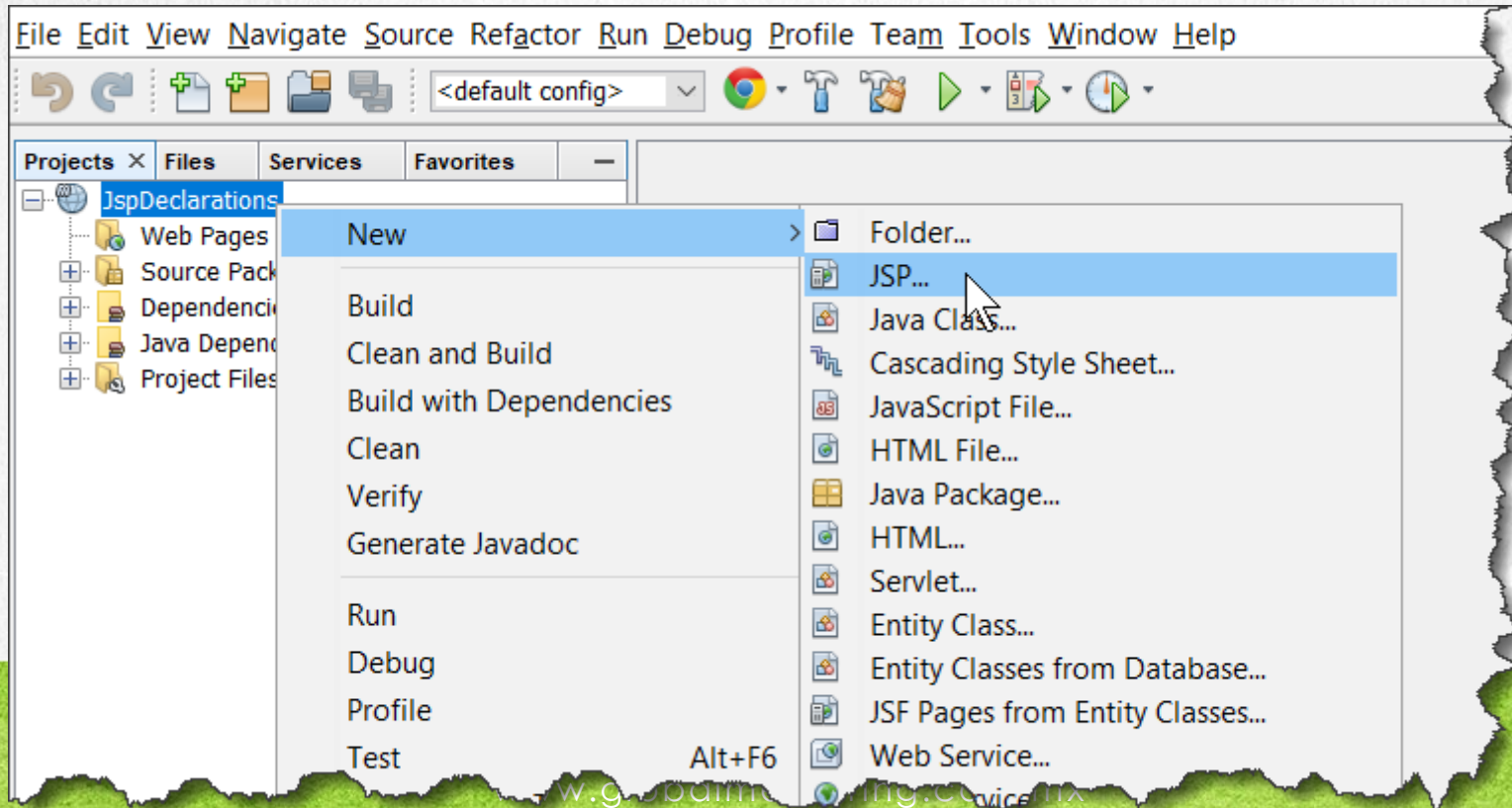
2. DELETE THE INDEX.HTML FILE

Delete the index.html file:



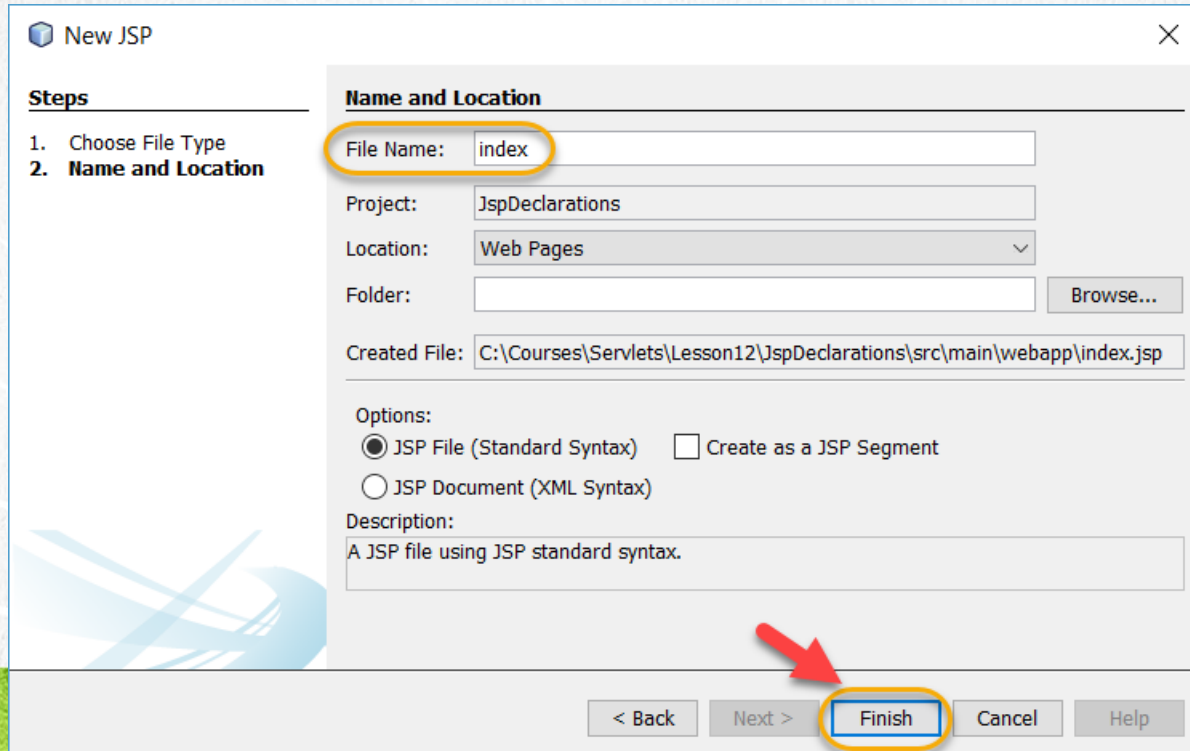
3. CREATE A NEW JSP

Create a new JSP:



3. CREATE A NEW JSP(CONT)

Create a new JSP:



New JSP

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

File Name:

Project:

Location:

Folder:

Created File:

Options:

☒ JSP File (Standard Syntax) ☐ Create as a JSP Segment

☐ JSP Document (XML Syntax)

Description:

4. MODIFY THE CODE

[index.jsp](#)

[Click to download](#)

```
<%-- We add a declaration --%>
<%!
    //declare a variable with its get method
    private String user = "Albert";

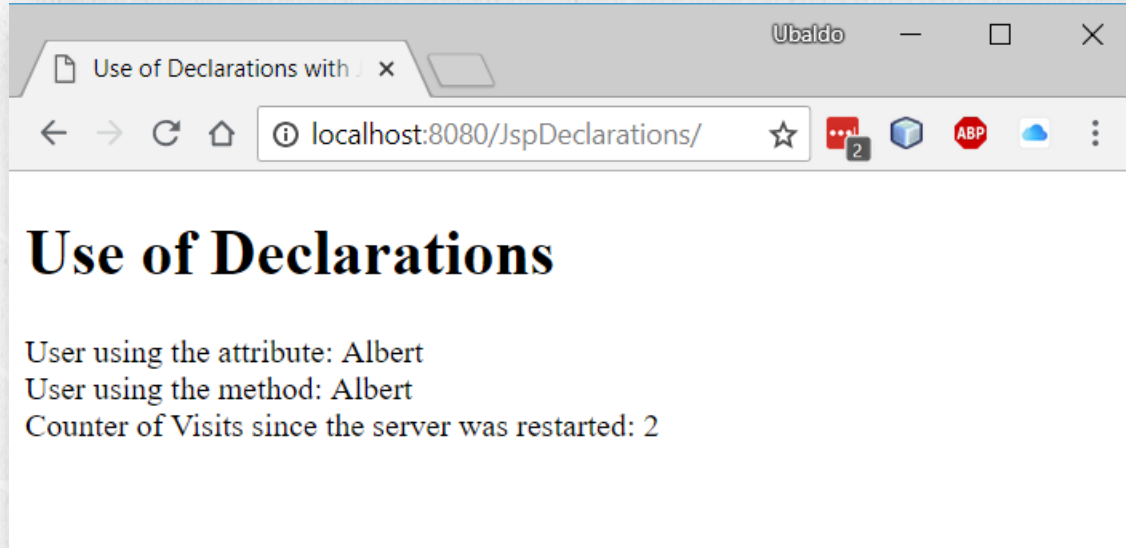
    public String getUser() {
        return this.user;
    }
    //We declare a visitor counter
    private int visitCounter = 1;
%>
<!DOCTYPE html>
<html>
    <head>
        <title>Use of Declarations with JSP</title>
    </head>
    <body>
        <h1>Use of Declarations</h1>
        User using the attribute: <%= this.user%>
        <br>
        User using the method: <%= this.getUser()%>
        <br>

        Counter of Visits since the server was restarted:
        <%= this.visitCounter++%>

    </body>
</html>
```


5. EXECUTE THE PROJECT

The result is as follows:



5. EXECUTE THE PROJECT (CONT)

If we refresh the page the counter increases:



EXERCISE CONCLUSION

- With this exercise we have put into practice the concept of declarations using JSPs.
- We learned to declare variables and Java methods within a JSP page. We will continue reviewing other concepts.



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SERVLETS & JSP' S

By: Eng. Ubaldo Acosta



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