Try~ Java Web

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B. 이클립스에 WAS설정
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C. Dynamic프로젝트 시작
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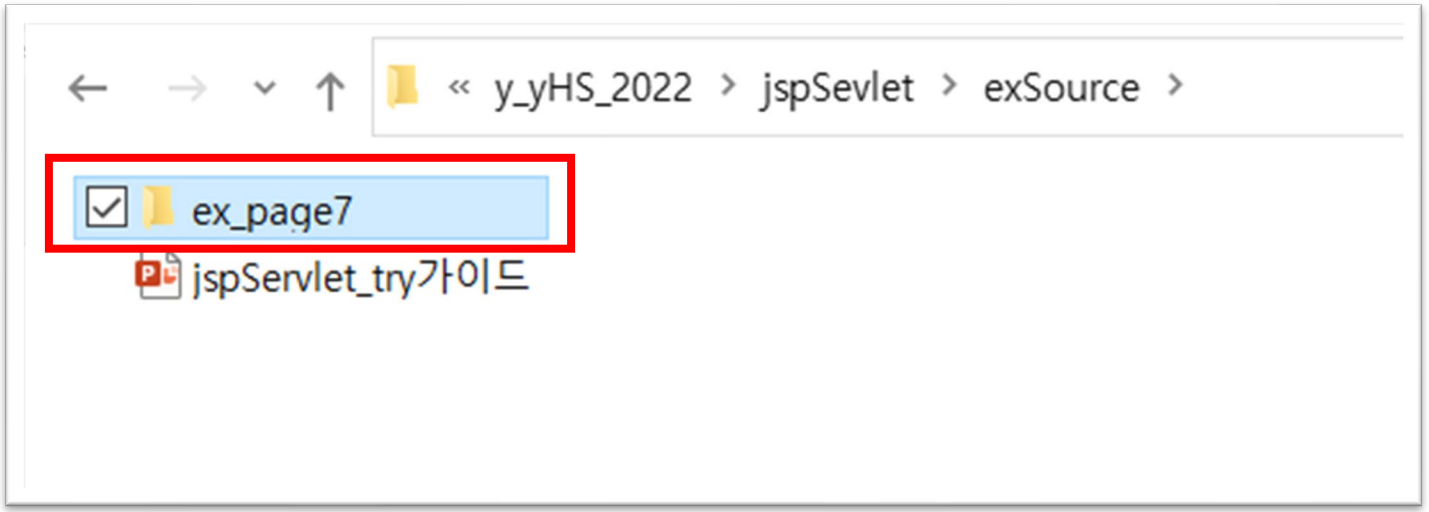
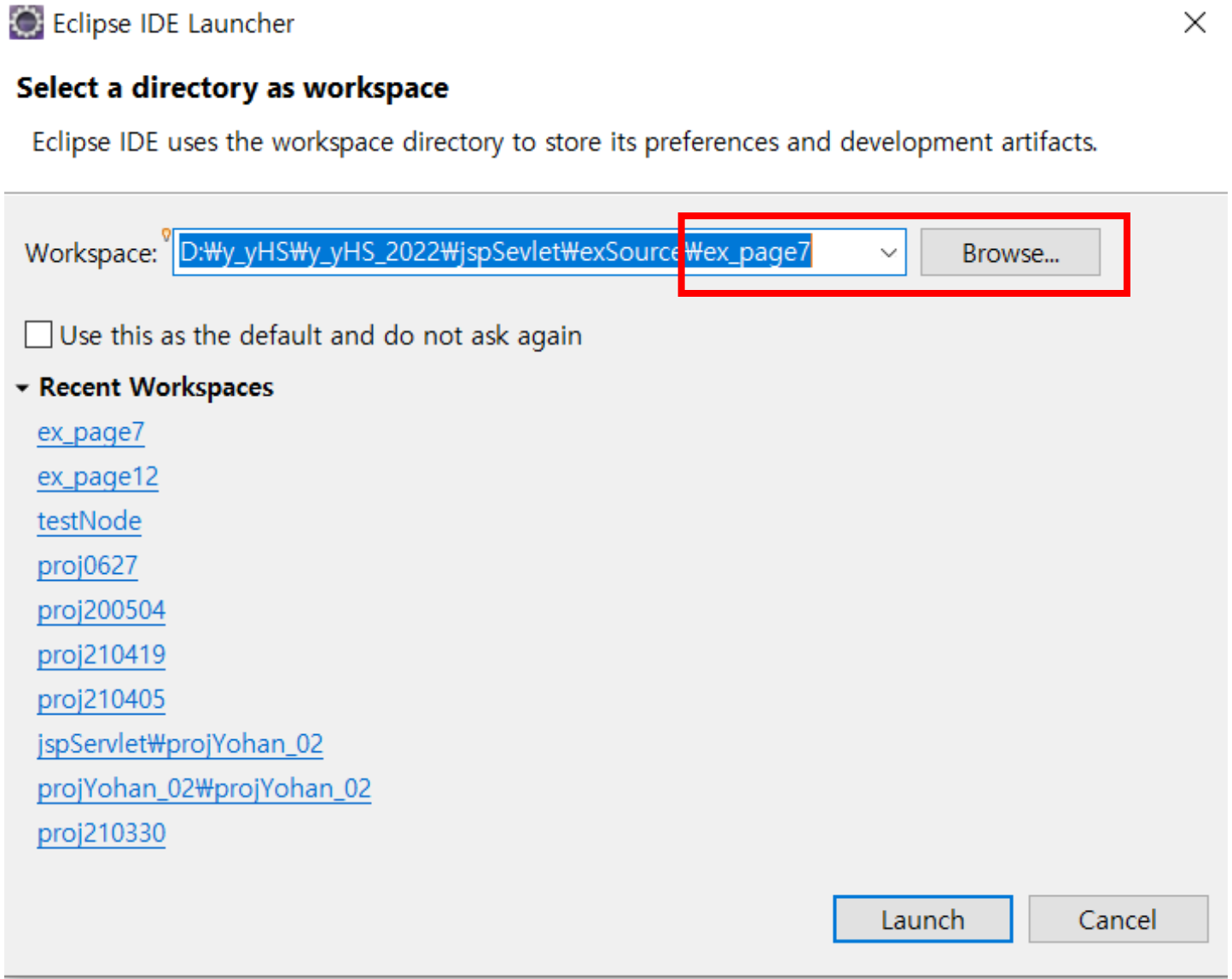
C_3. jsp페이지 작성 및 실행
C_4. sevlet페이지 작성
C_5. xml 매핑과 실행

교사 최선경

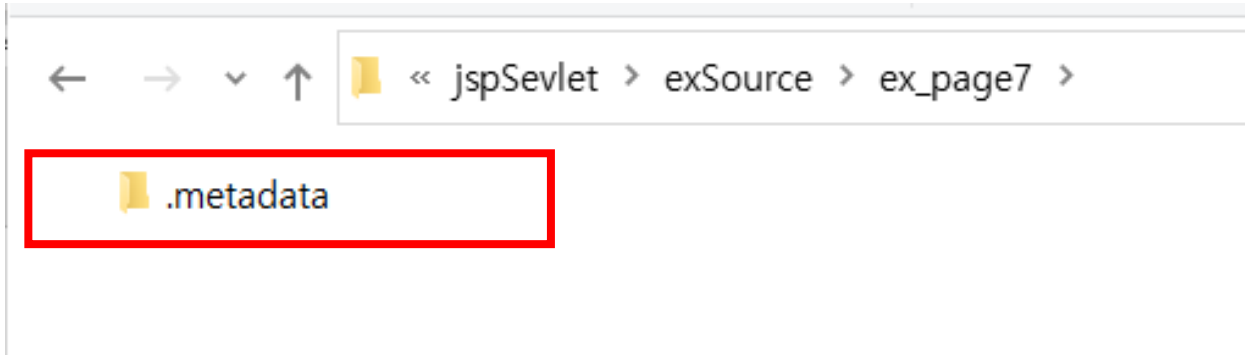
A. 프로젝트 폴더 생성



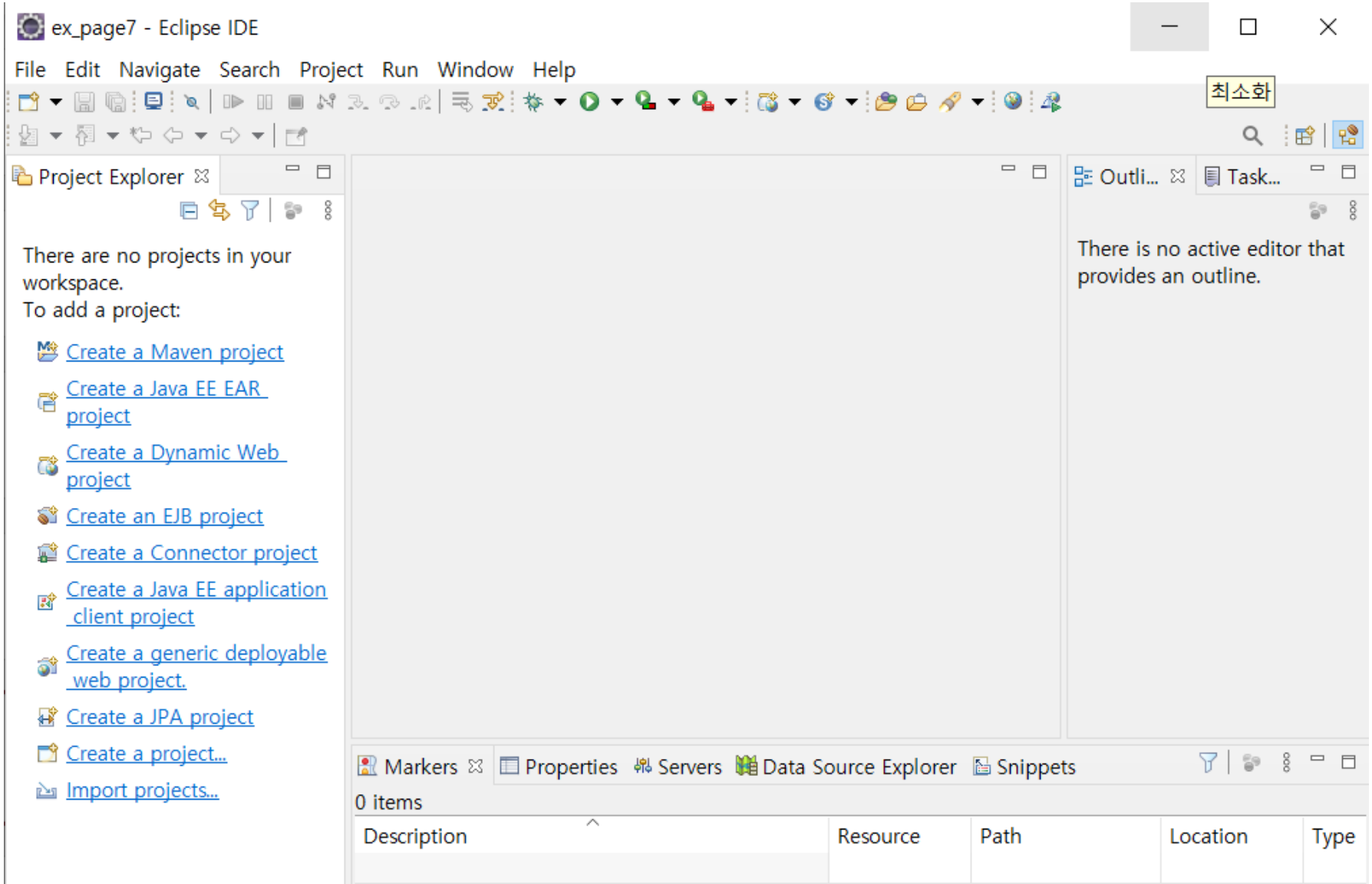
경로에 맞춰서 이클립스 실행



프로젝트폴더안의 환경파일을 확인한다.

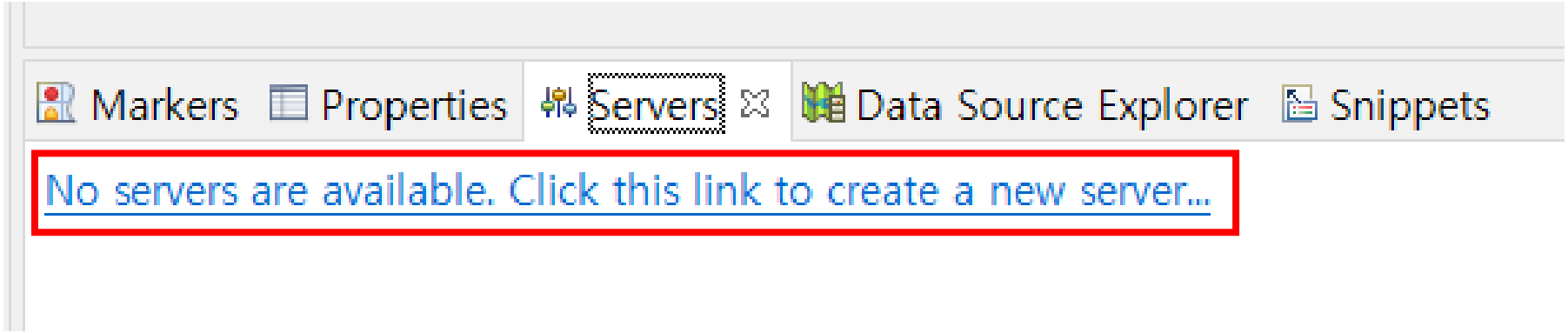


이클립스 OPEN.


ex_page7 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
최소화
Project Explorer
There are no projects in your workspace.
To add a project:
Create a Maven project
Create a Java EE EAR project
Create a Dynamic Web project
Create an EJB project
Create a Connector project
Create a Java EE application client project
Create a generic deployable web project.
Create a JPA project
Create a project...
Import projects...
Outli...
Task...
There is no active editor that provides an outline.
Markers
Properties
Servers
Data Source Explorer
Snippets
0 items
Description
Resource
Path
Location
Type

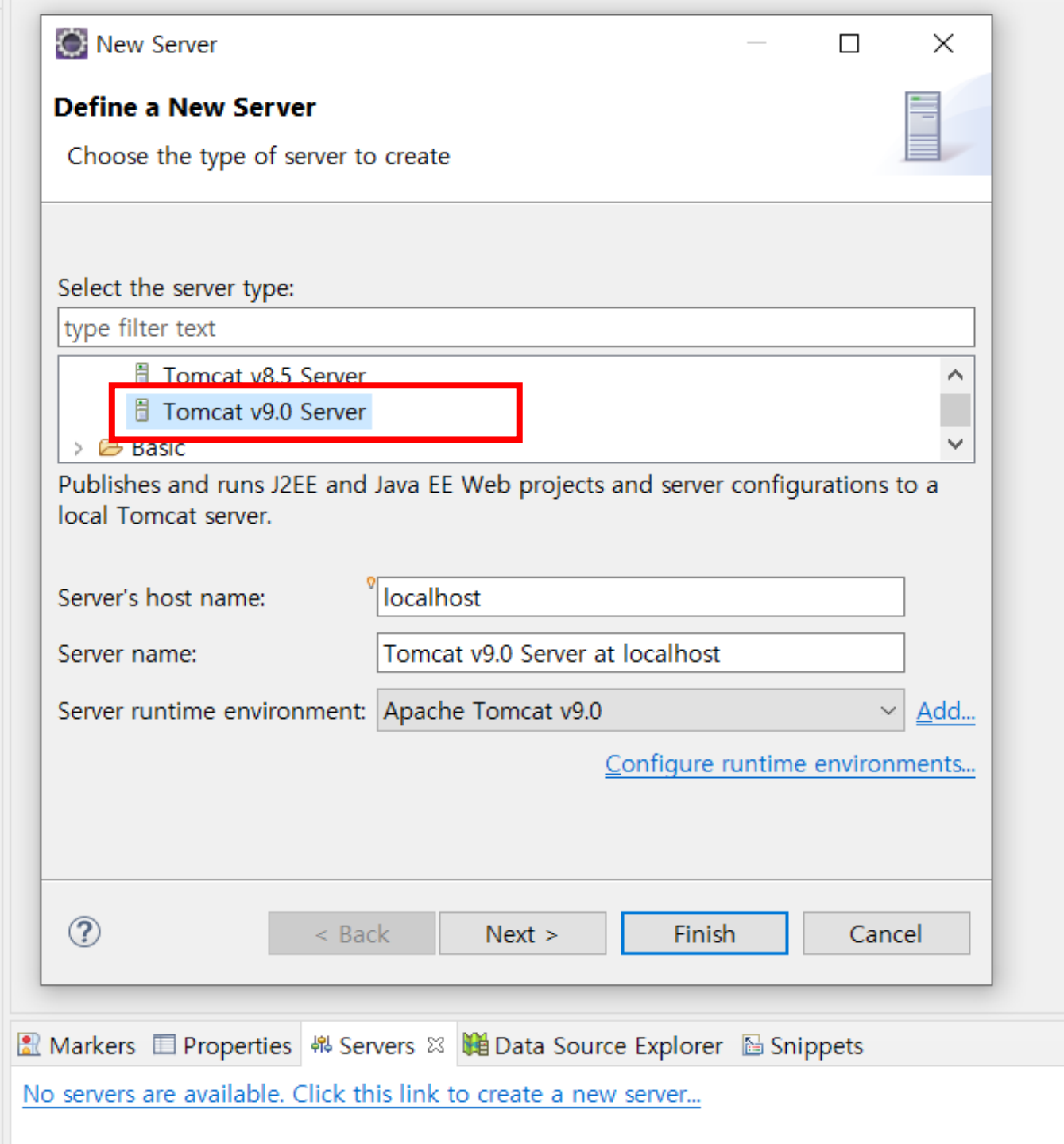
B. 자바웹을 개발하기 위한 WAS설정.

1. WebApplicationServer 설치 __ ex. Tomcat9
2. 이클립스에 Tomcat을 서버로 연결



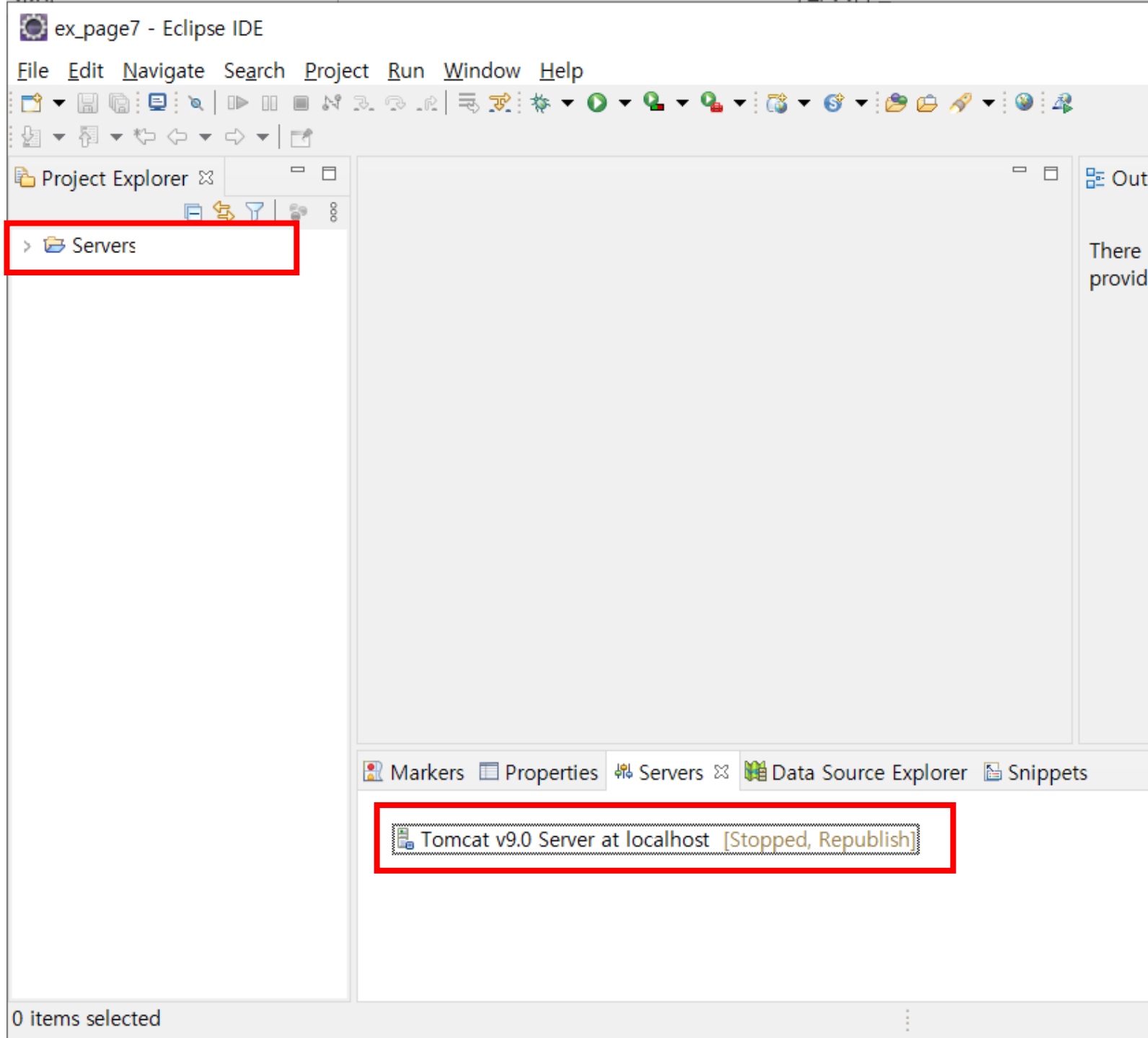
이클립스

하단 Servers

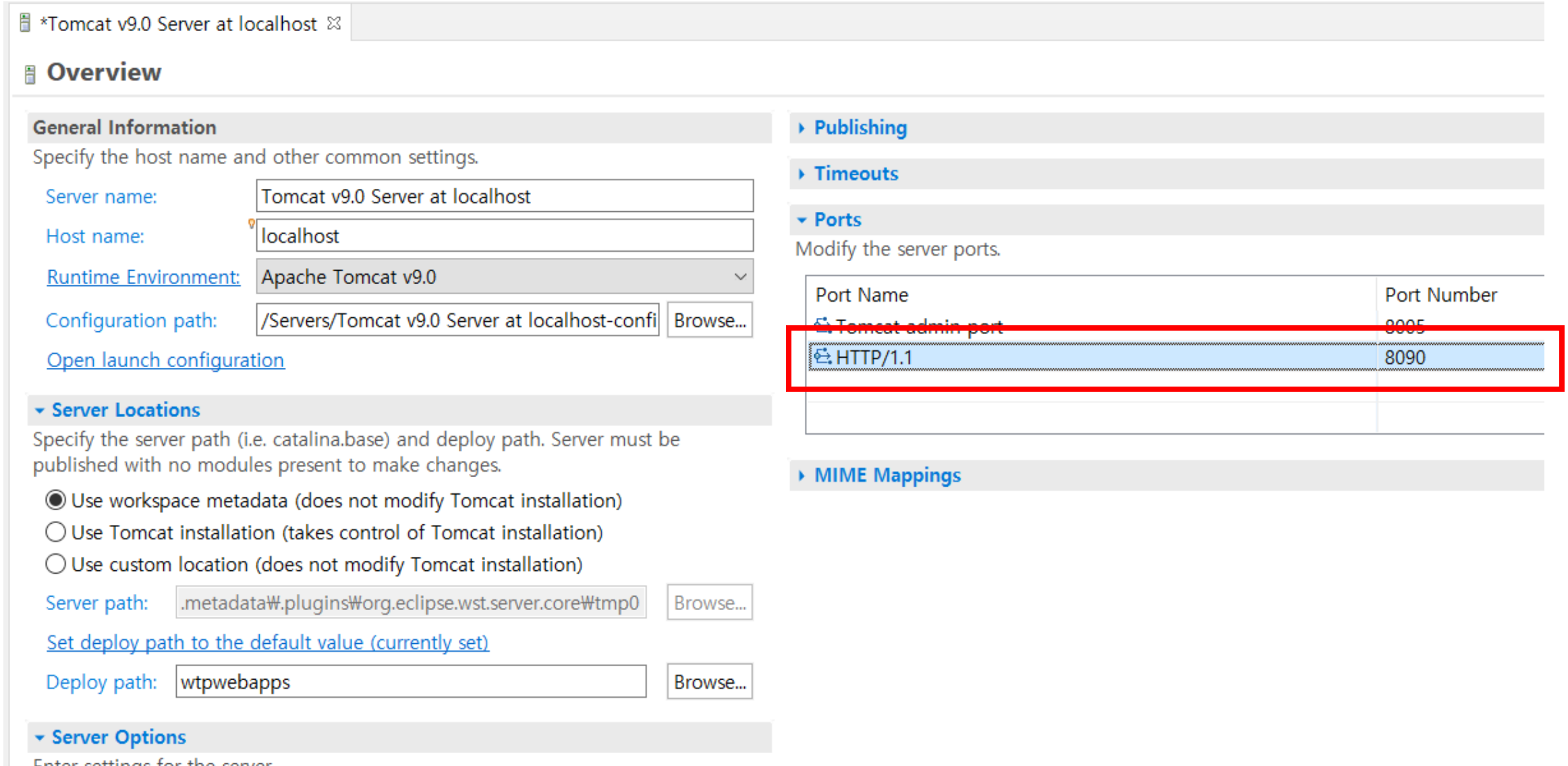


이클립스에

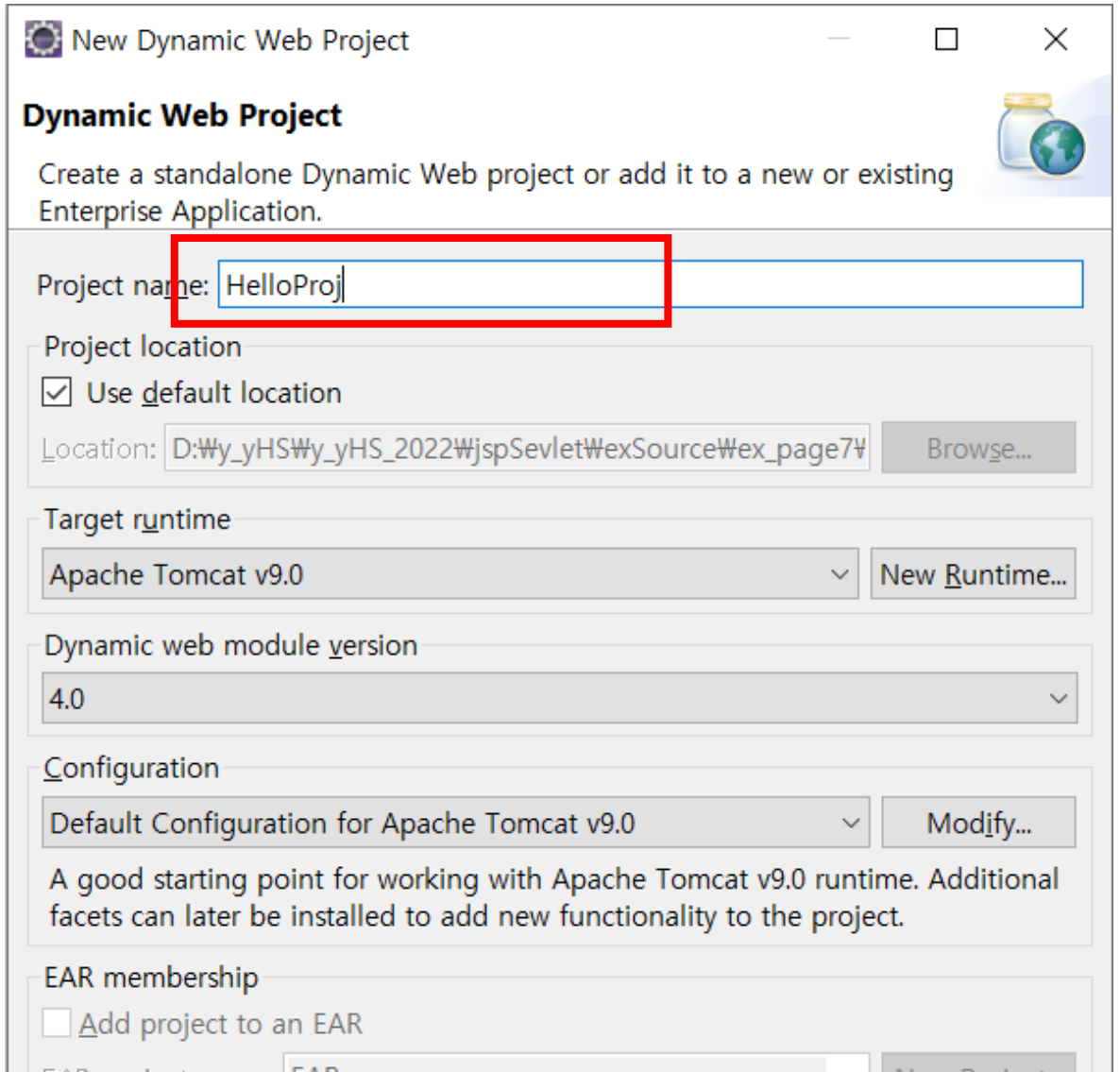
서버설정 확인



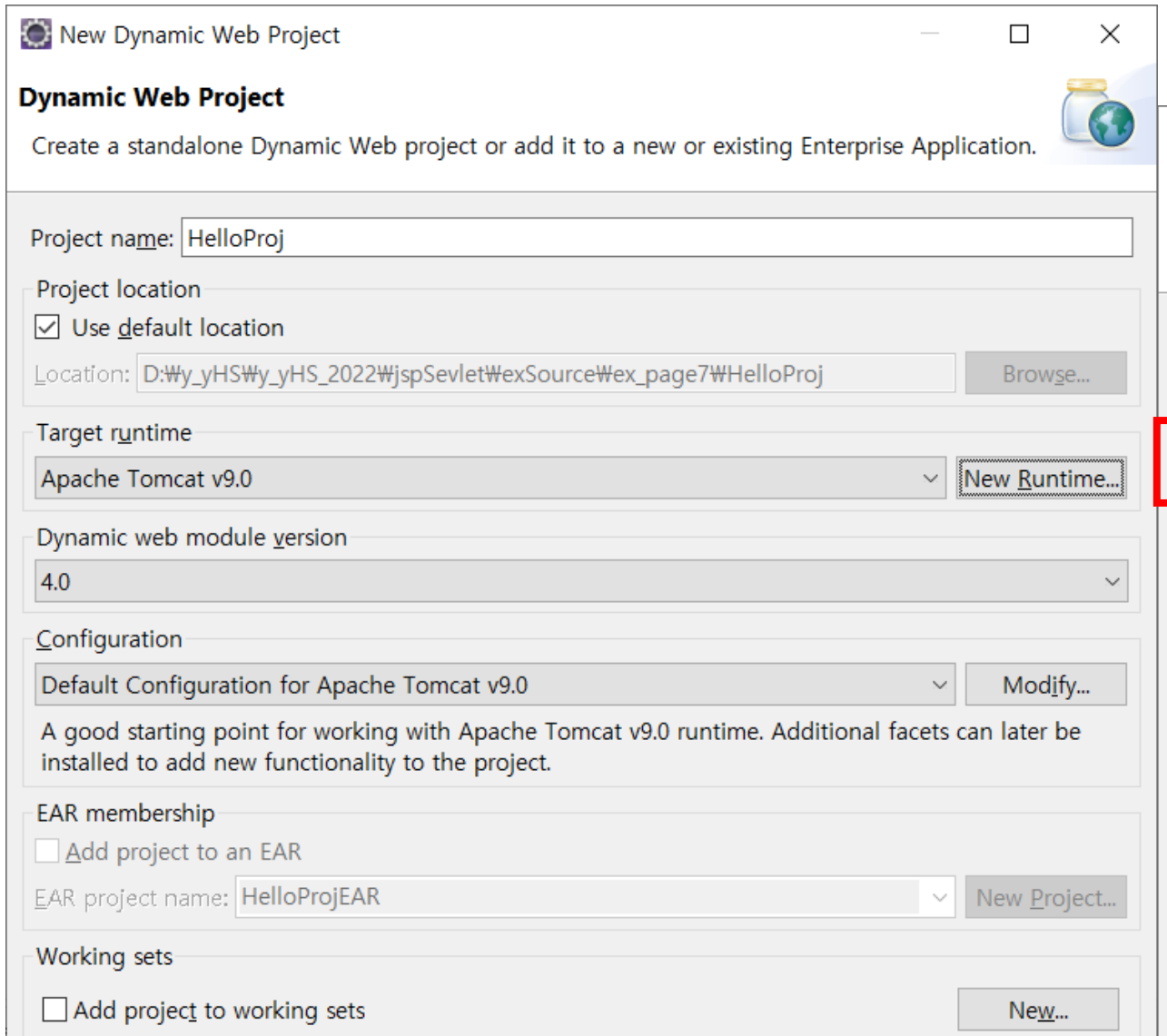
B_2. Tomcat 포트Port 번호변경_충돌방지

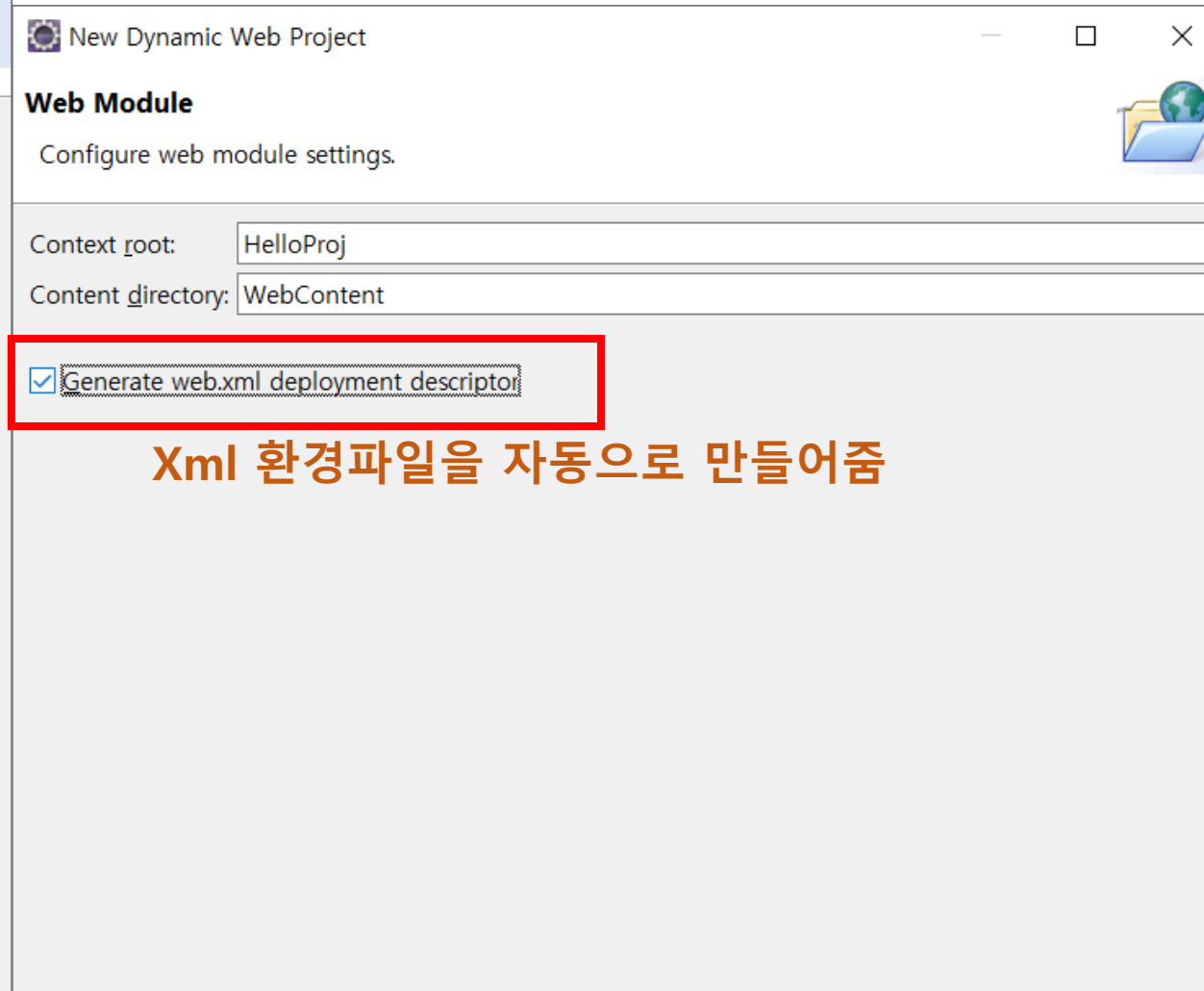


Dynamic Web Project 생성

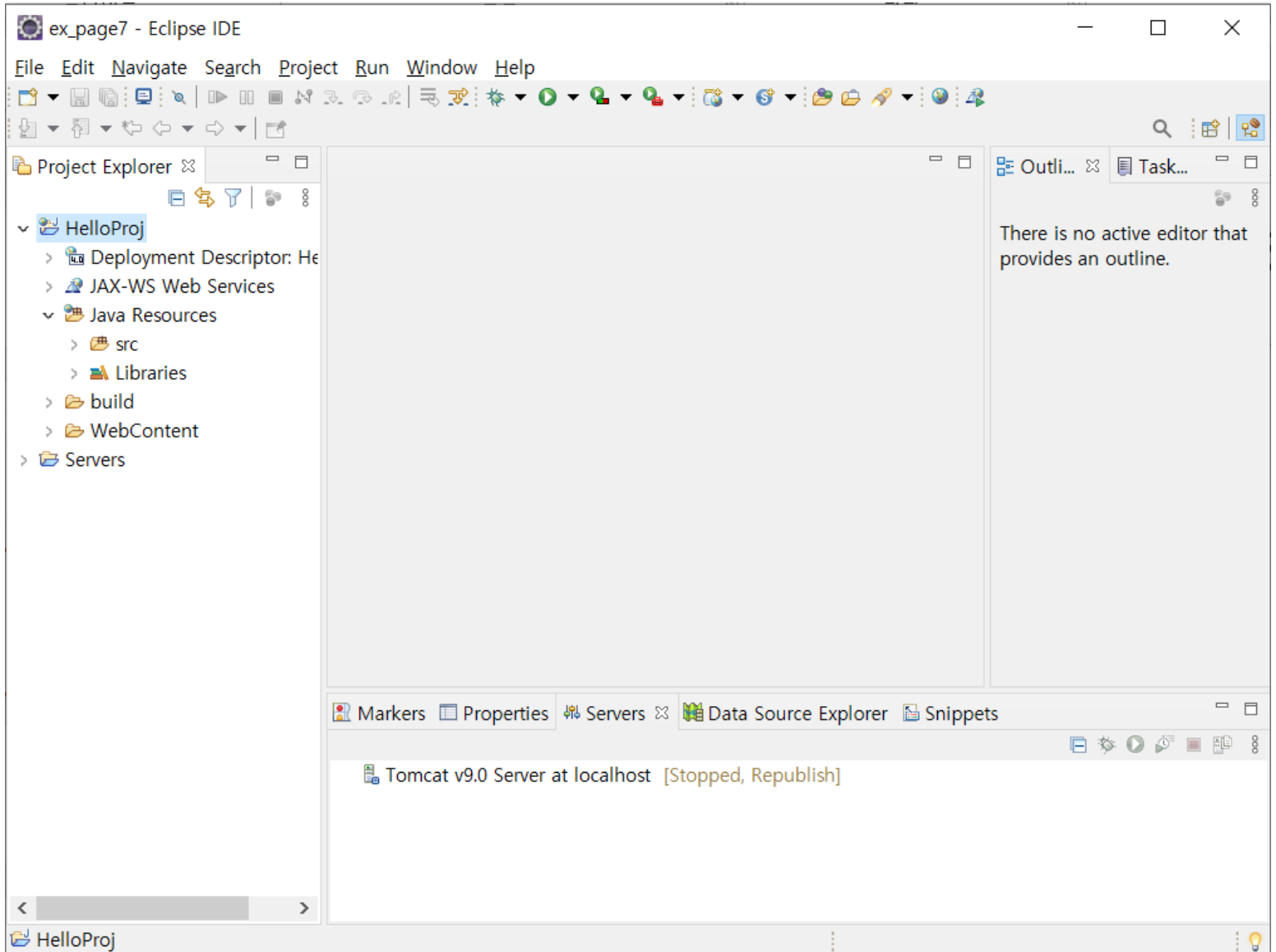


Next버튼-> Web Module에서 체크

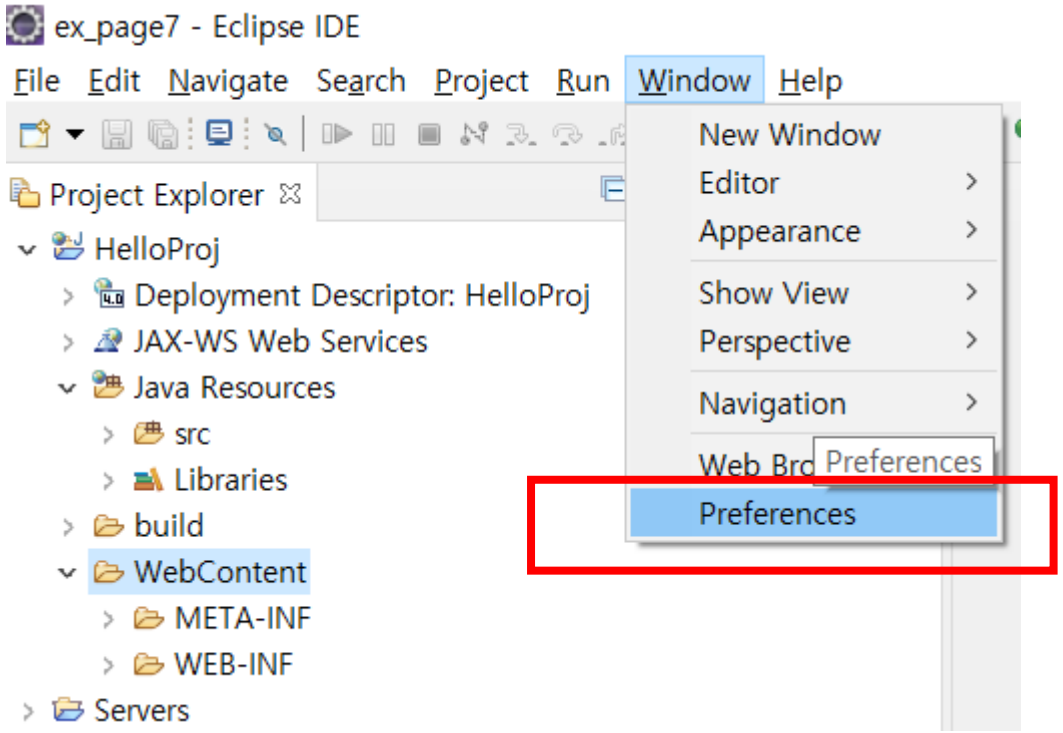


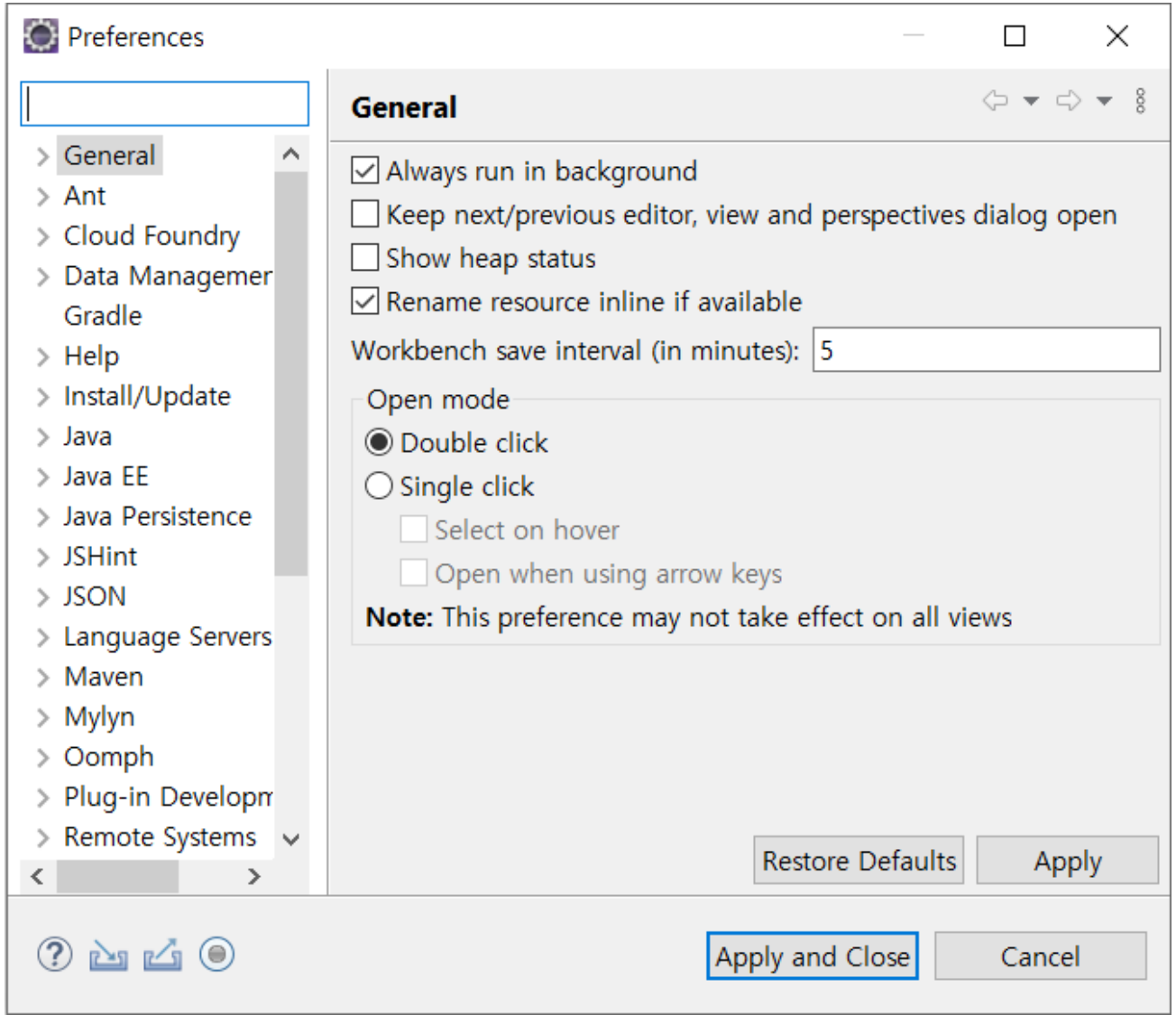


C. Dynamic 프로젝트 시작.

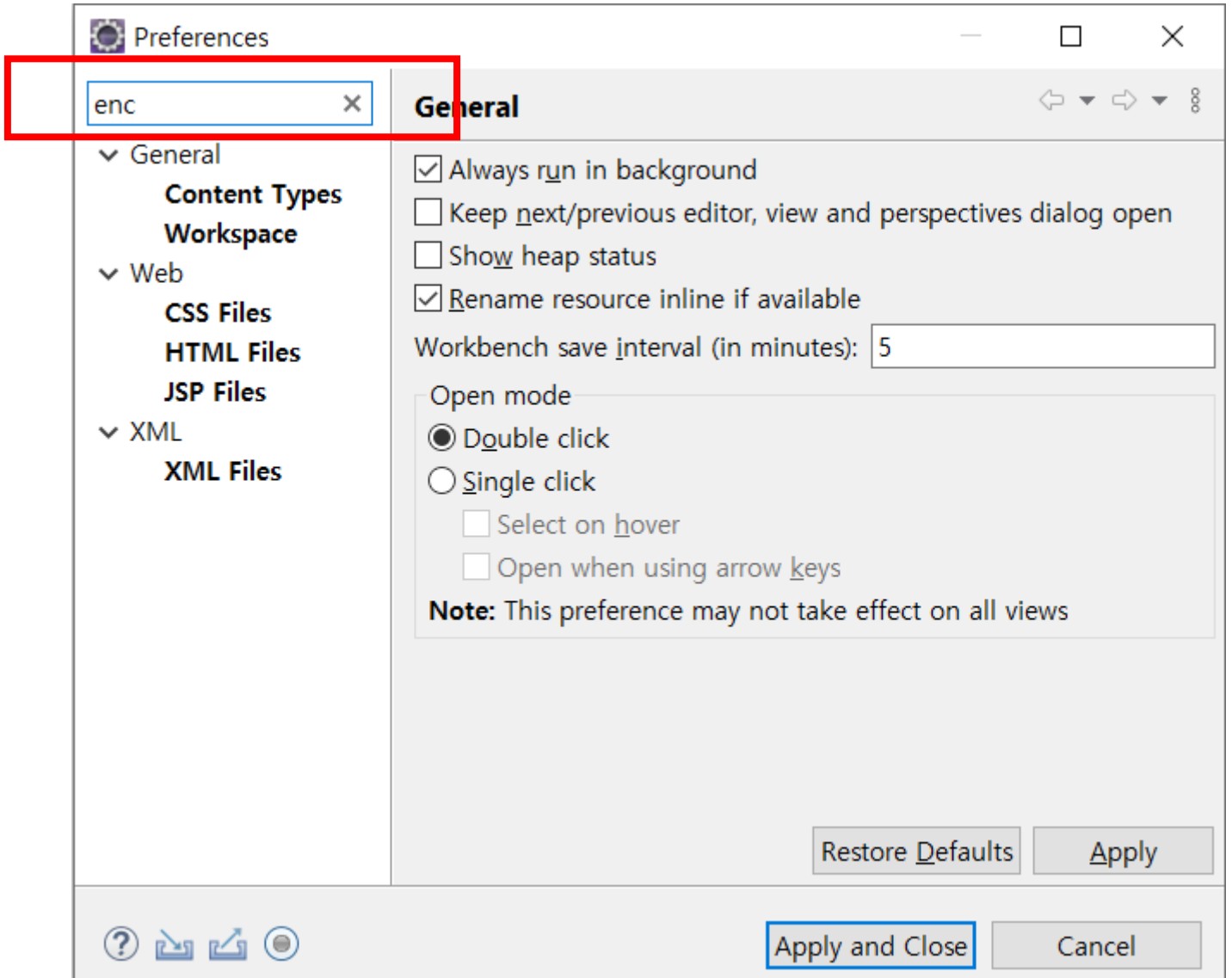


C_2. 이클립스 한글설정

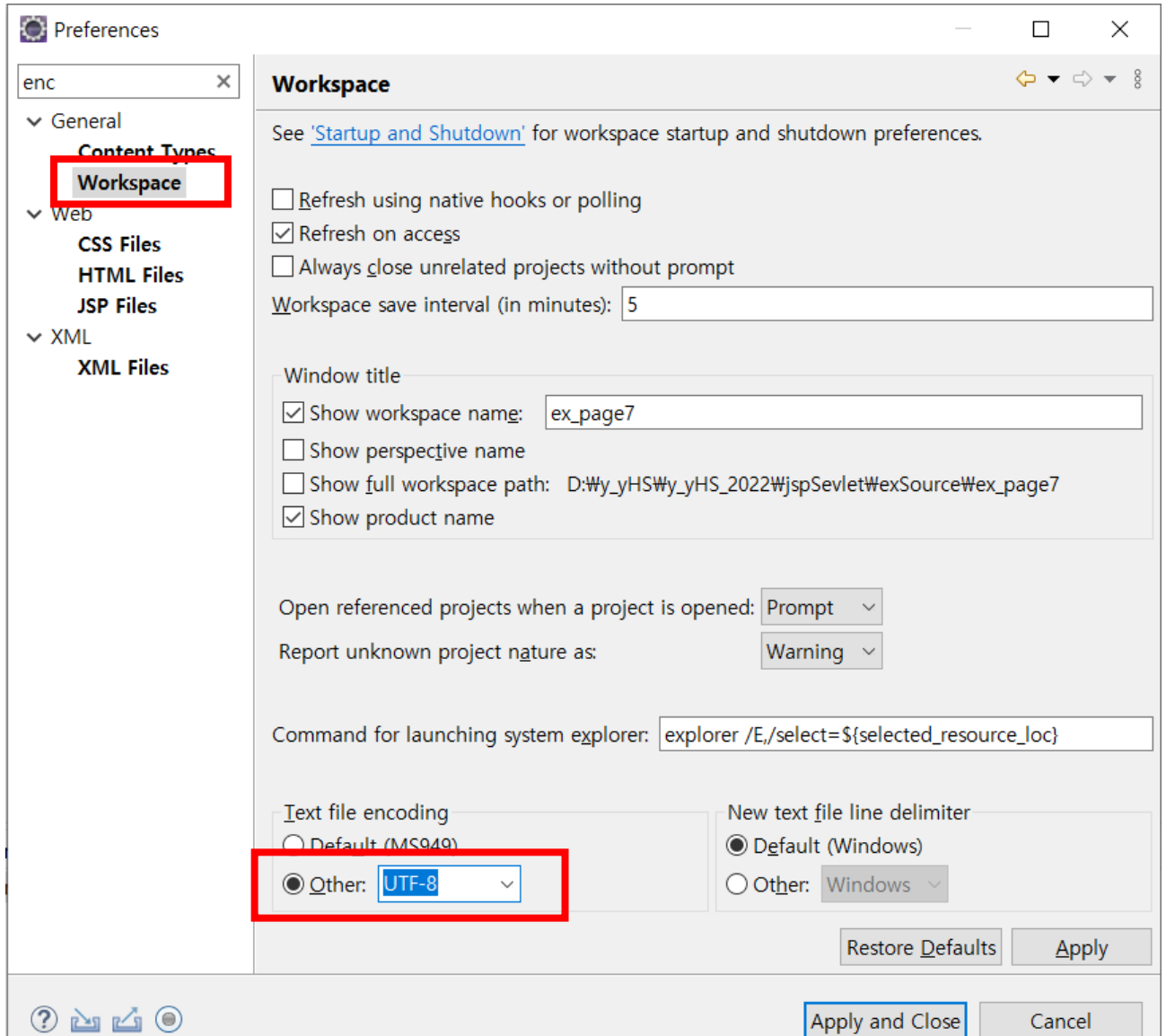

ex_page7 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Project Explorer
HelloProj
Deployment Descriptor: HelloProj
JAX-WS Web Services
Java Resources
src
Libraries
build
WebContent
META-INF
WEB-INF
Servers
New Window
Editor
Appearance
Show View
Perspective
Navigation
Web Brc
Preferences
Preferences


Preferences
General
Ant
Cloud Foundry
Data Managemer
Gradle
Help
Install/Update
Java
Java EE
Java Persistence
JSHint
JSON
Language Servers
Maven
Mylyn
Oomph
Plug-in Developm
Remote Systems
General
Always run in background
Keep next/previous editor, view and perspectives dialog open
Show heap status
Rename resource inline if available
Workbench save interval (in minutes): 5
Open mode
Double click
Single click
Select on hover
Open when using arrow keys
Note: This preference may not take effect on all views
Restore Defaults
Apply
Apply and Close
Cancel

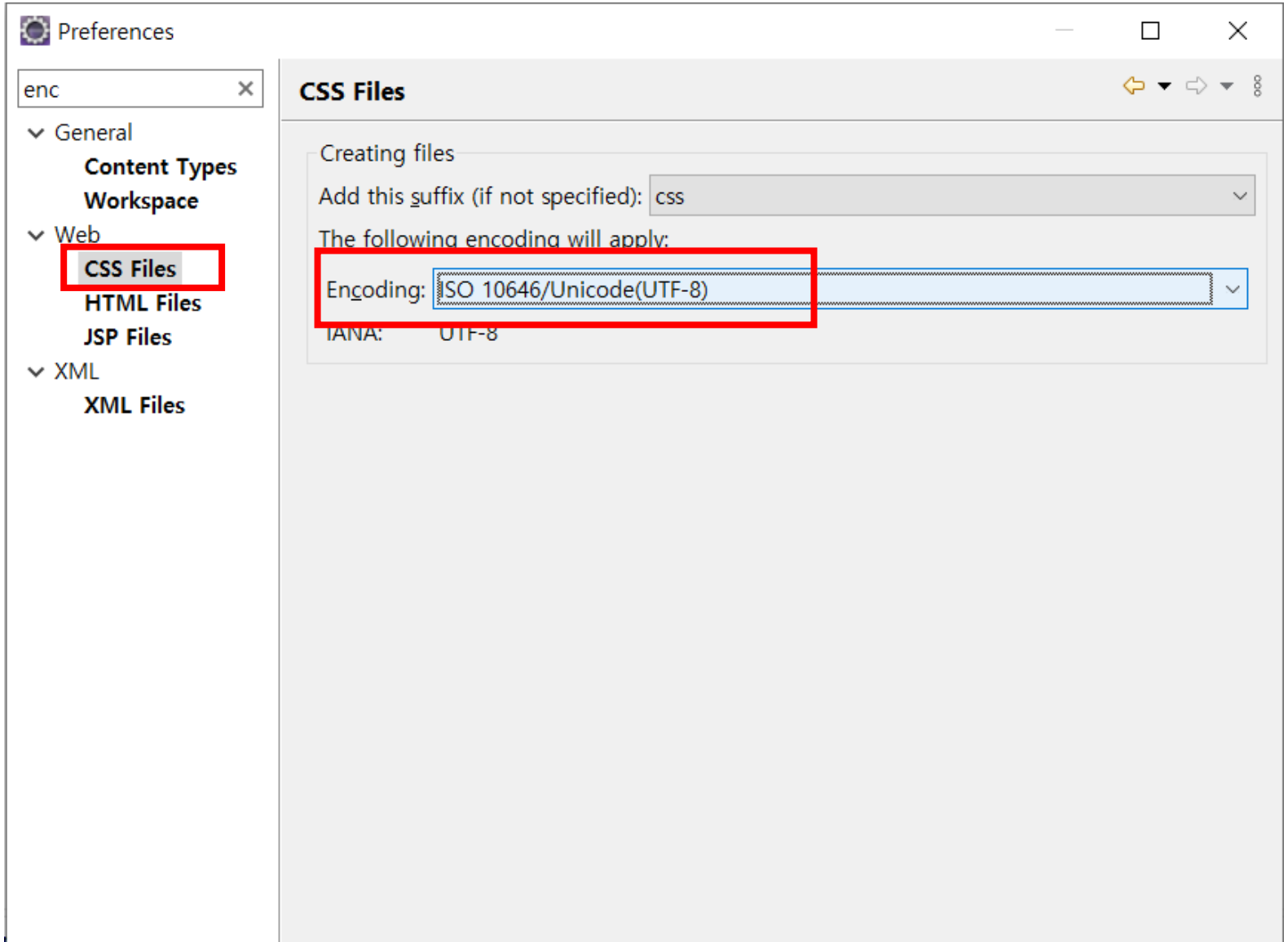
검색란에 enc입력


Preferences
enc
General
Content Types
Workspace
Web
CSS Files
HTML Files
JSP Files
XML
XML Files
General
Always run in background
Keep next/previous editor, view and perspectives dialog open
Show heap status
Rename resource inline if available
Workbench save interval (in minutes):
5
Open mode
Double click
Single click
Select on hover
Open when using arrow keys
Note: This preference may not take effect on all views
Restore Defaults
Apply
Apply and Close
Cancel

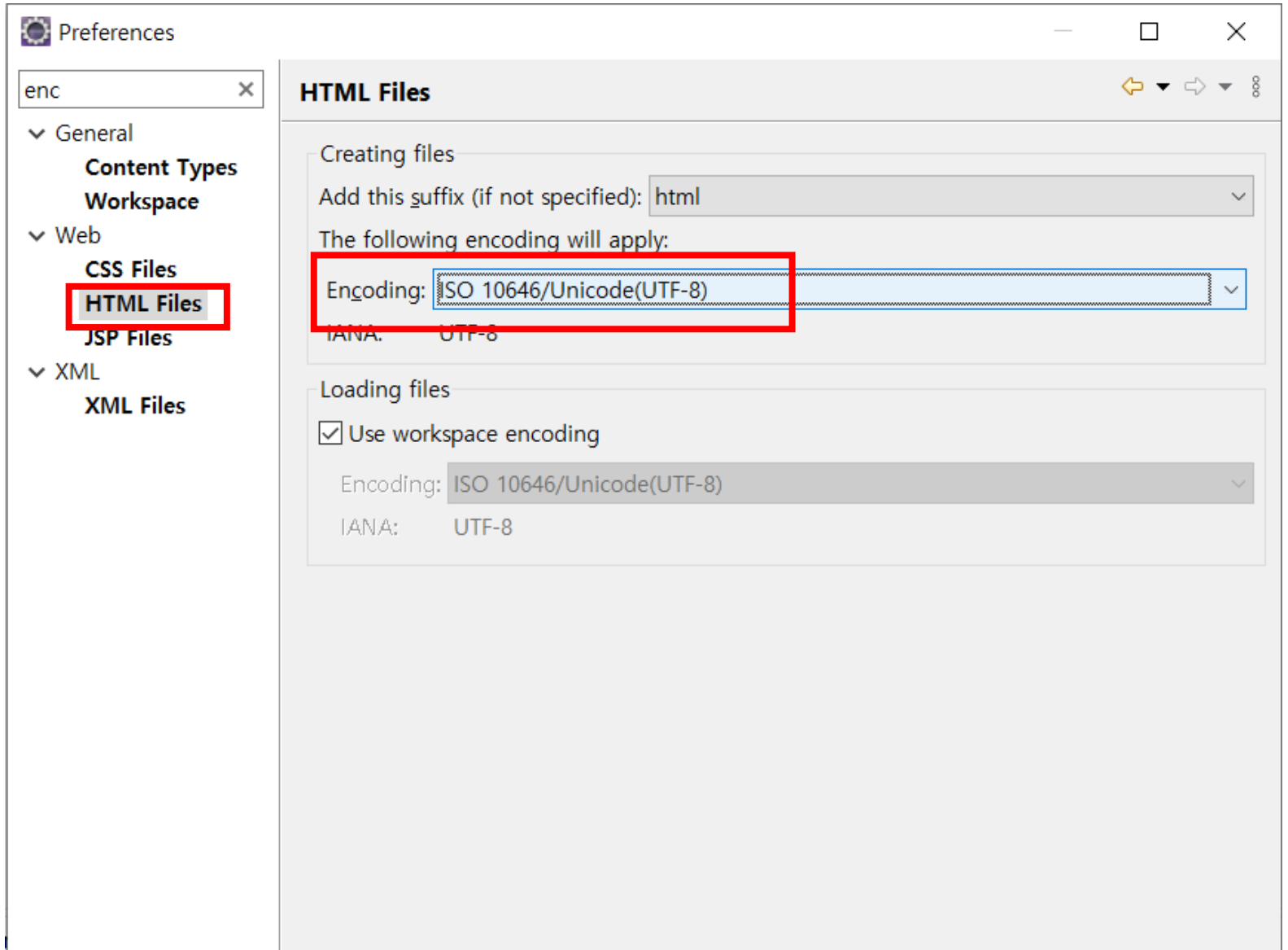
코딩영역 한글깨짐방지.


Preferences
enc
General
Content Types
Workspace
Web
CSS Files
HTML Files
JSP Files
XML
XML Files
Workspace
See 'Startup and Shutdown' for workspace startup and shutdown preferences.
Refresh using native hooks or polling
Refresh on access
Always close unrelated projects without prompt
Workspace save interval (in minutes): 5
Window title
Show workspace name: ex_page7
Show perspective name
Show full workspace path: D:₩y_yHS₩y_yHS_2022₩jspSevlet₩exSource₩ex_page7
Show product name
Open referenced projects when a project is opened: Prompt
Report unknown project nature as: Warning
Command for launching system explorer: explorer /E,/select=${selected_resource_loc}
Text file encoding
Default (MS949)
Other: UTF-8
New text file line delimiter
Default (Windows)
Other: Windows
Restore Defaults
Apply
Apply and Close
Cancel

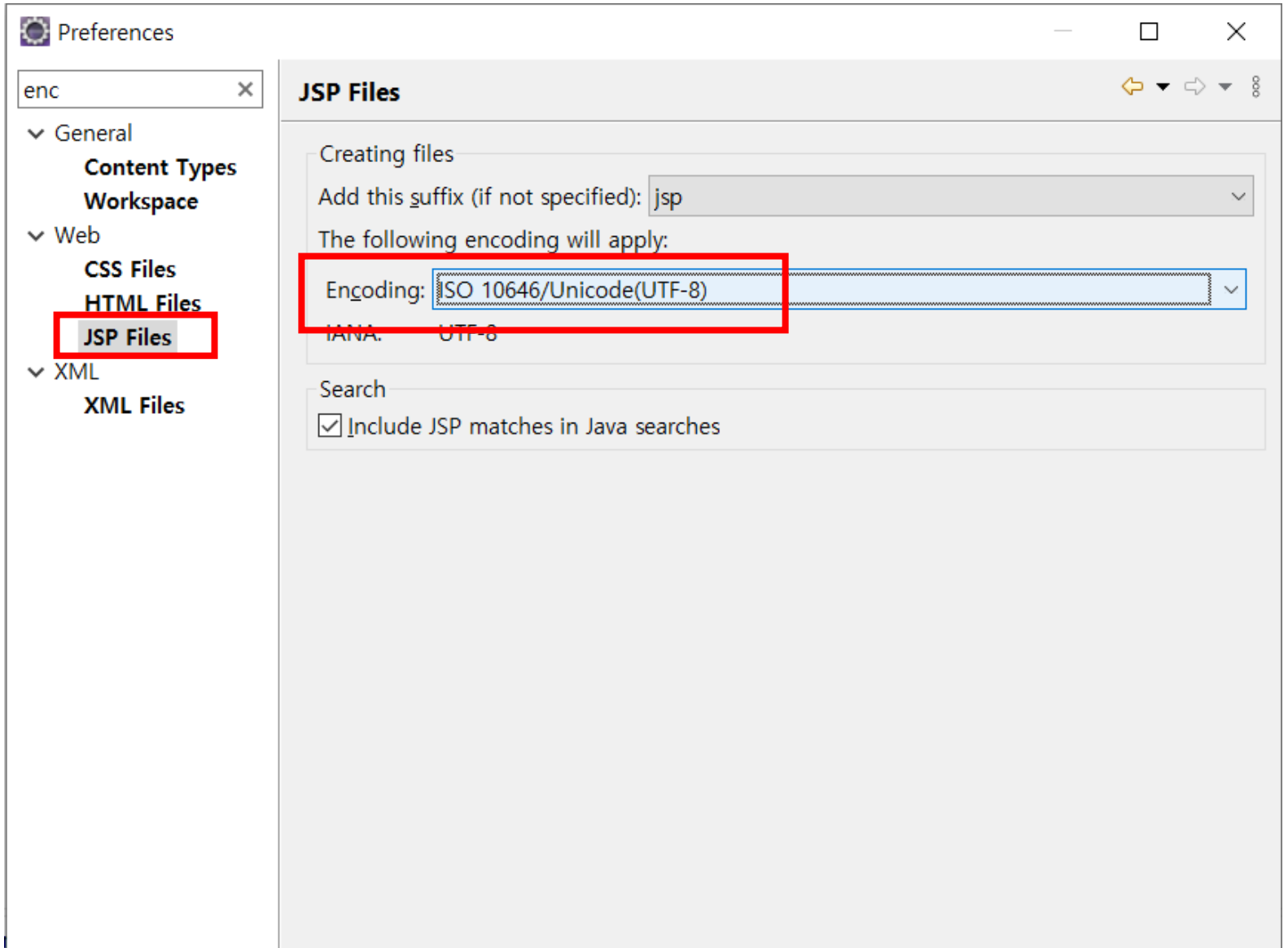
스타일시트 한글깨짐방지.



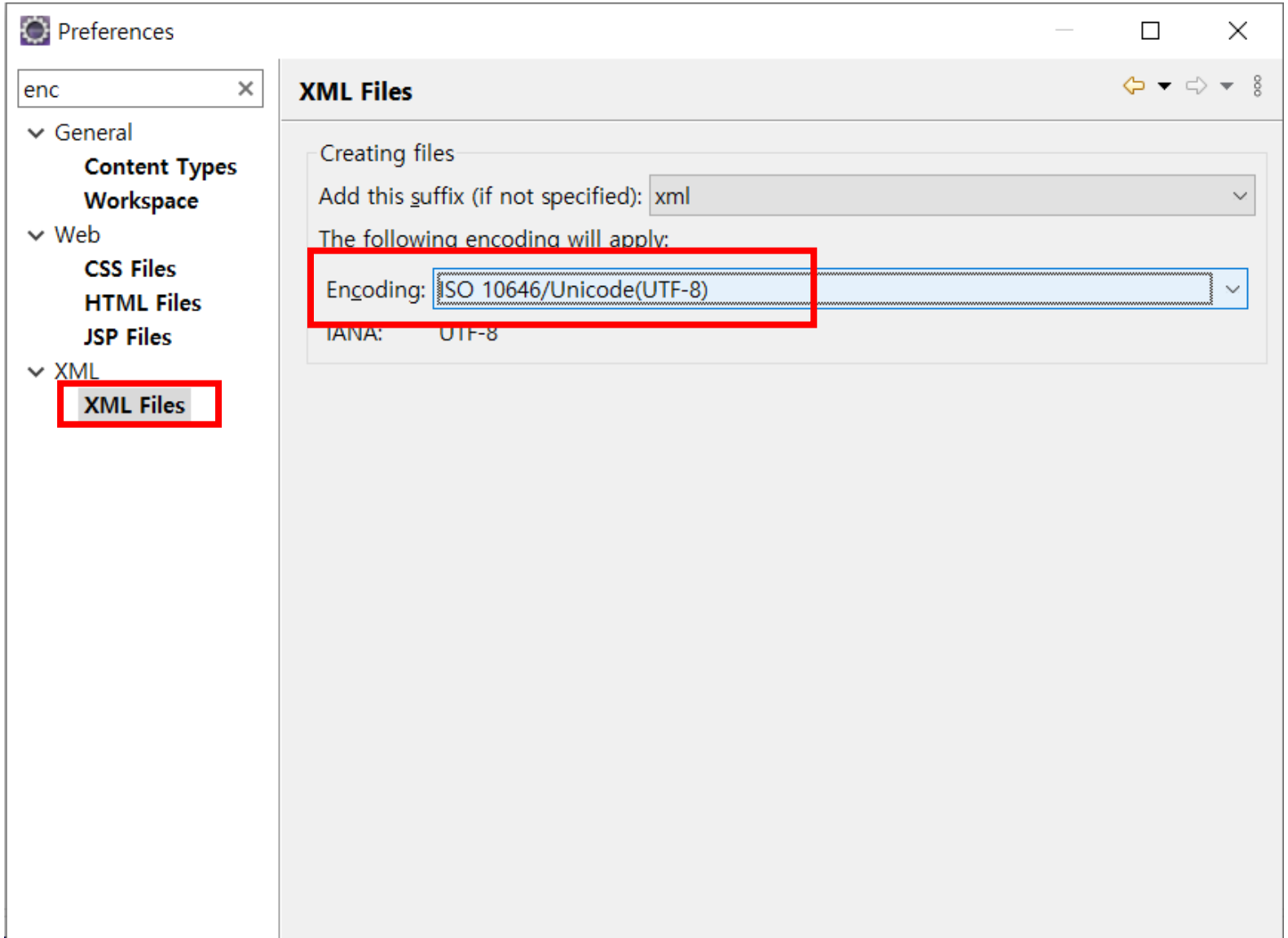
html파일 한글깨짐방지.



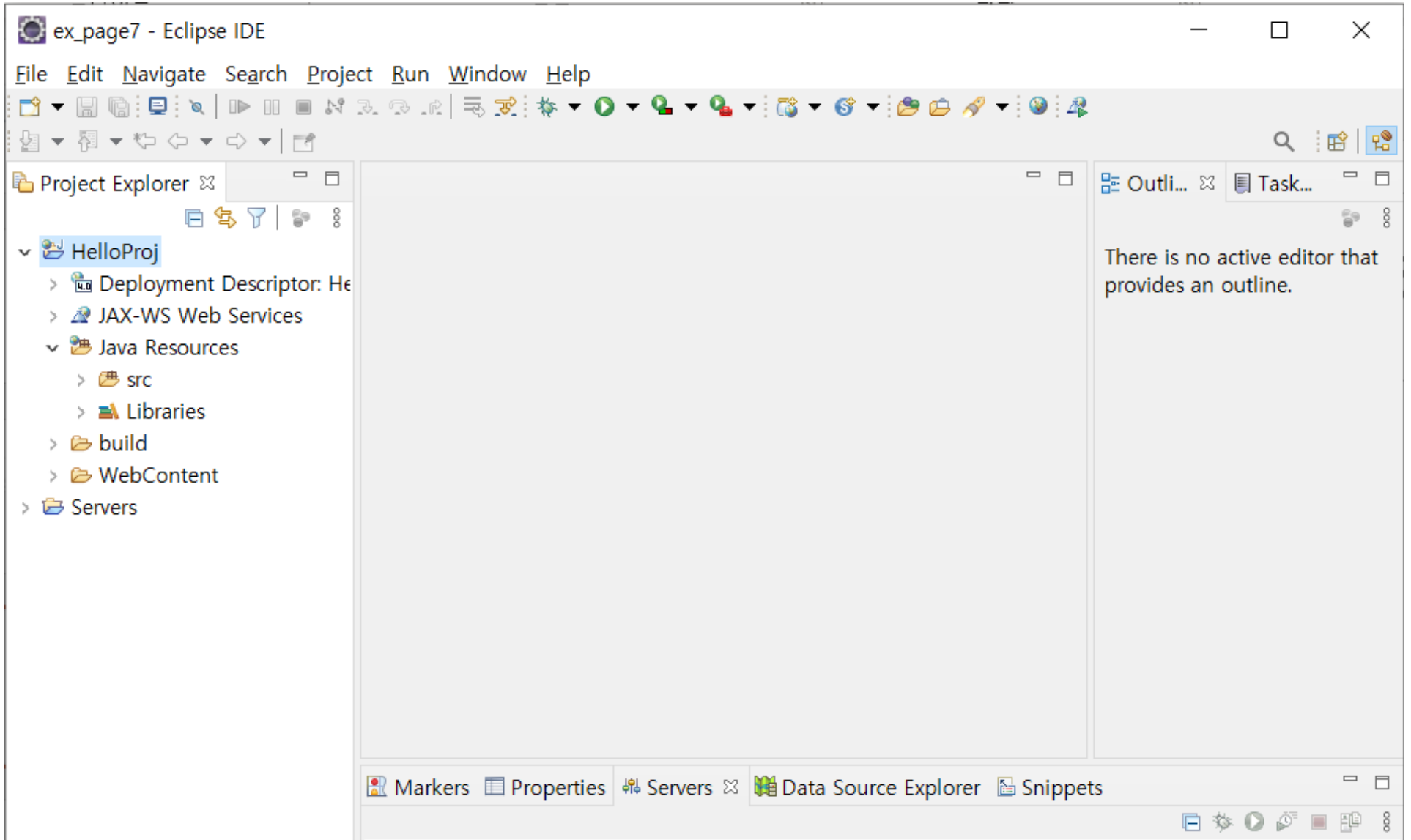
Jsp파일 한글깨짐방지



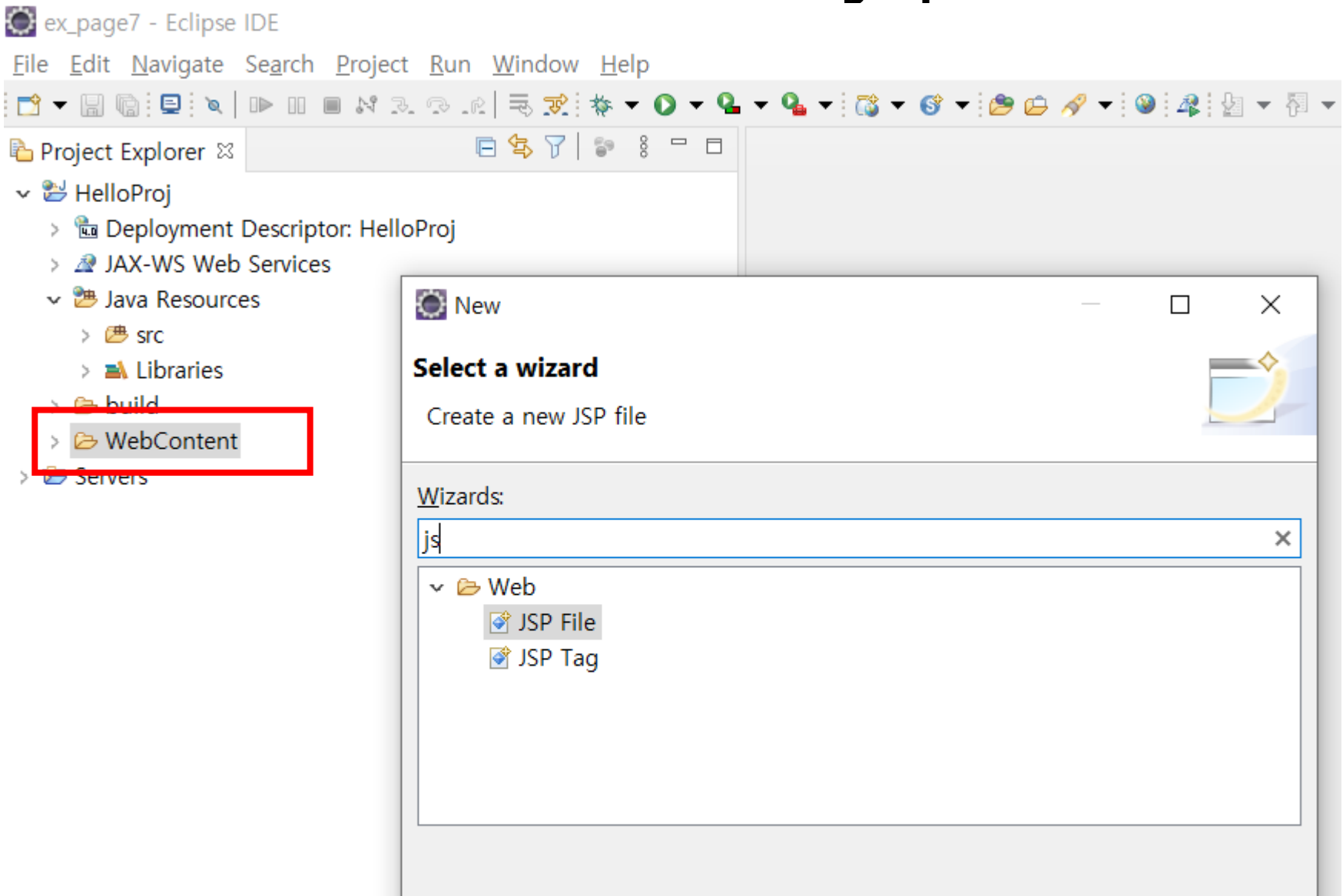
xml파일 한글깨짐 방지



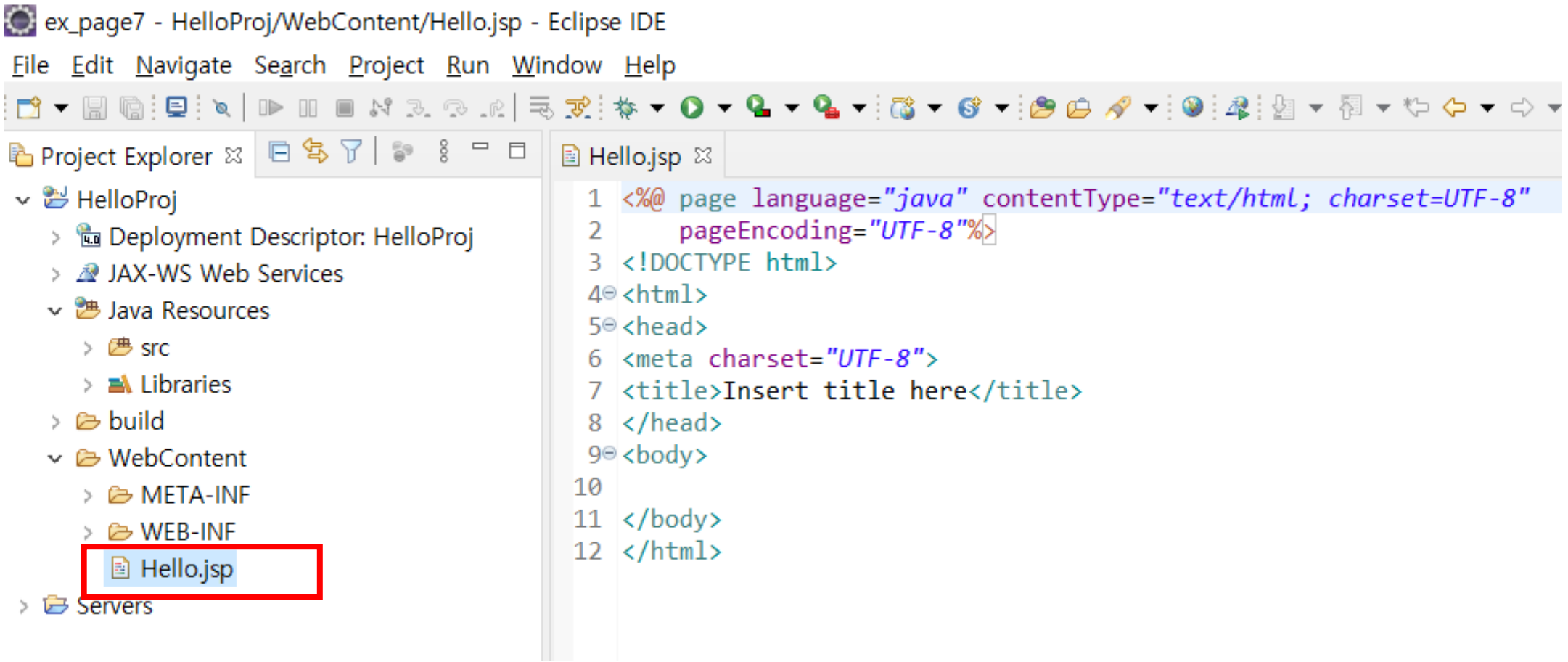
C. Dynamic 프로젝트 작성 시작



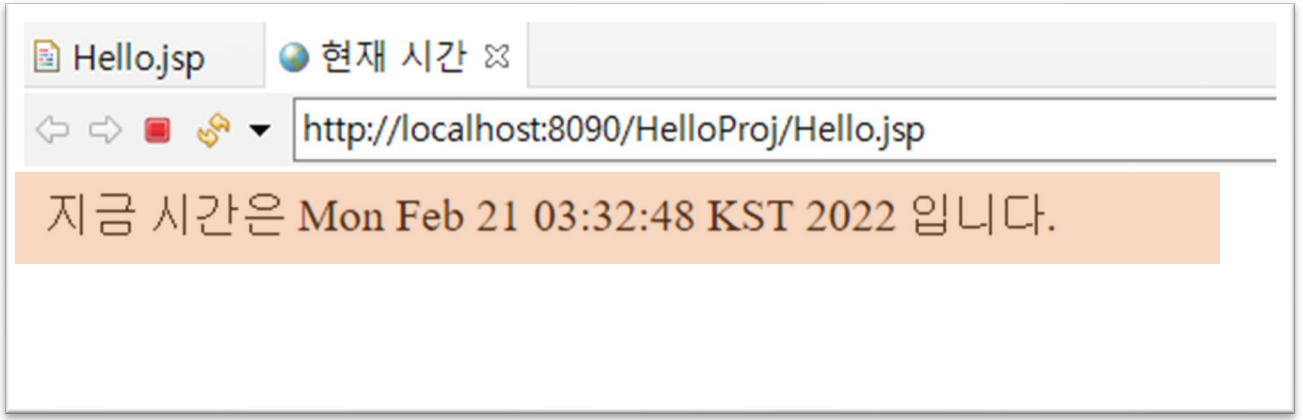
C_3. WebContent에 hello.jsp 생성



Hello.jsp


ex_page7 - HelloProj/WebContent/Hello.jsp - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Project Explorer
HelloProj
Deployment Descriptor: HelloProj
JAX-WS Web Services
Java Resources
src
Libraries
build
WebContent
META-INF
WEB-INF
Hello.jsp
Servers
Hello.jsp
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2 pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 </body>
12 </html>

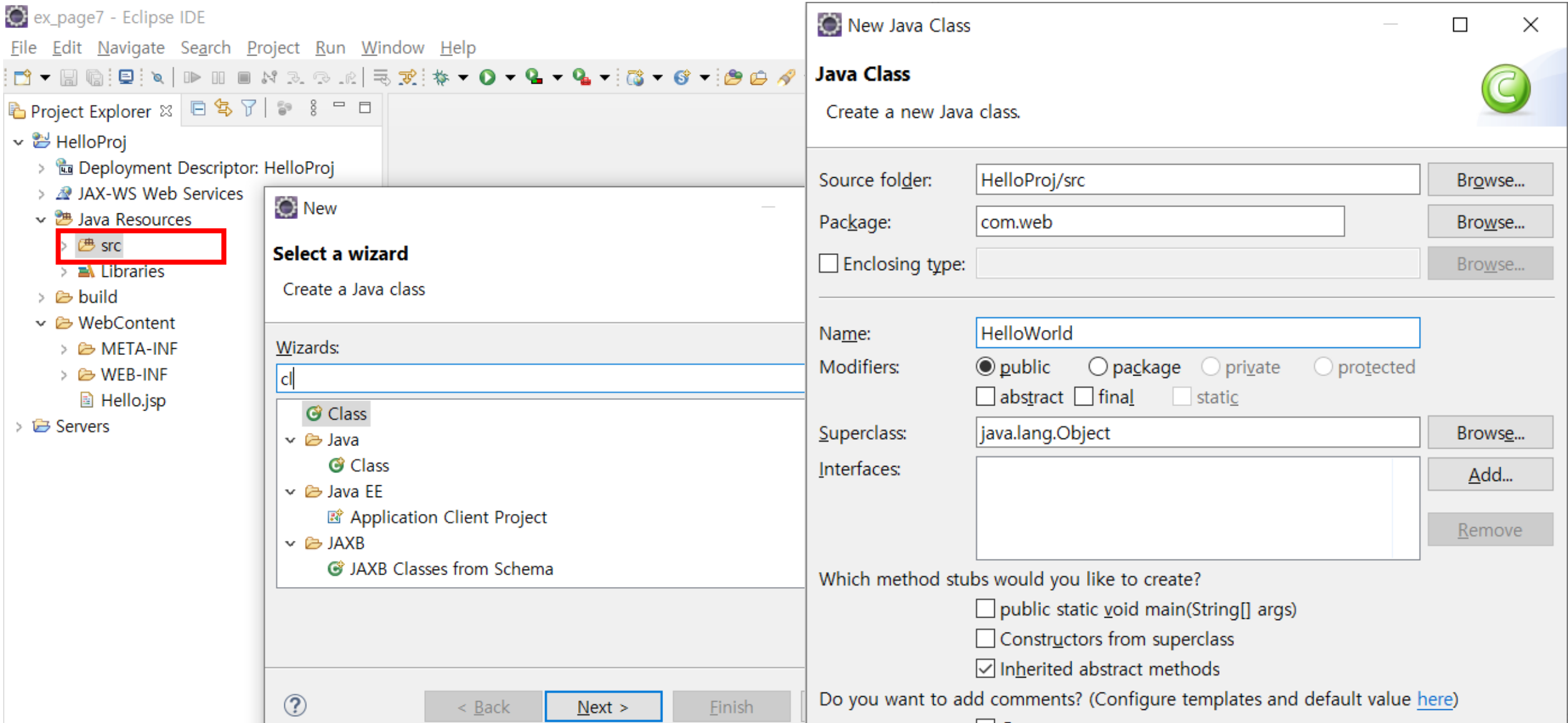
Hello.jsp
작성 및 실행



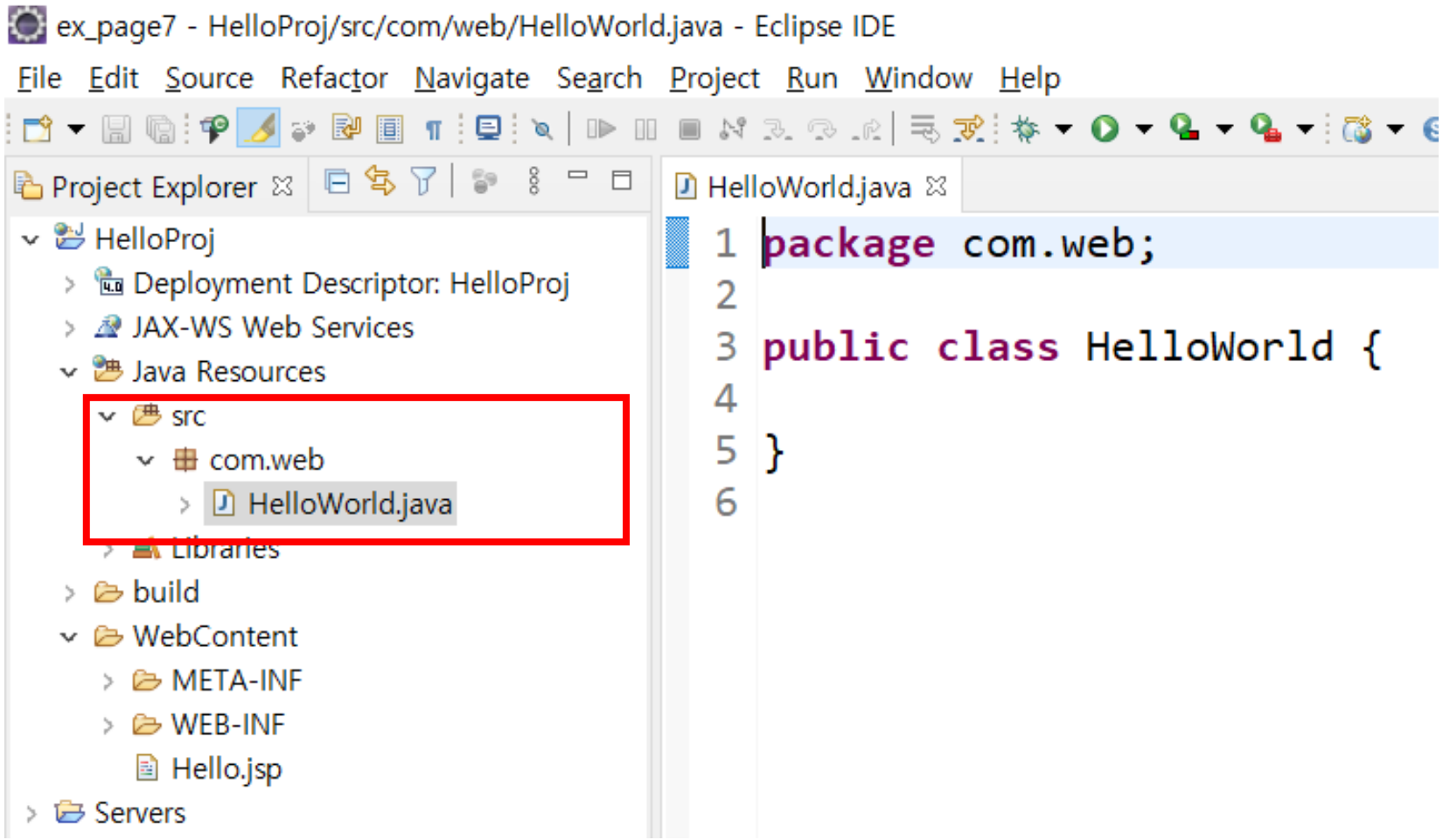
Hello.jsp

```
1  <%@ page language="java" contentType="text/html; charset=UTF-8"
2      pageEncoding="UTF-8"%>
3  <!DOCTYPE html>
4  <html>
5  <head>
6  <meta charset="UTF-8">
7  <title>현재 시간</title>
8  </head>
9  <body>
10     지금 시간은 <%= new java.util.Date() %> 입니다.
11 </body>
12 </html>
```

C_4. servlet 페이지 작성



HelloWorld.java



ex_page7 - HelloProj/src/com/web/HelloWorld.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- HelloProj
  - Deployment Descriptor: HelloProj
  - JAX-WS Web Services
  - Java Resources
    - src
      - com.web
        - HelloWorld.java
    - Libraries
  - build
  - WebContent
    - META-INF
    - WEB-INF
    - Hello.jsp
- Servers

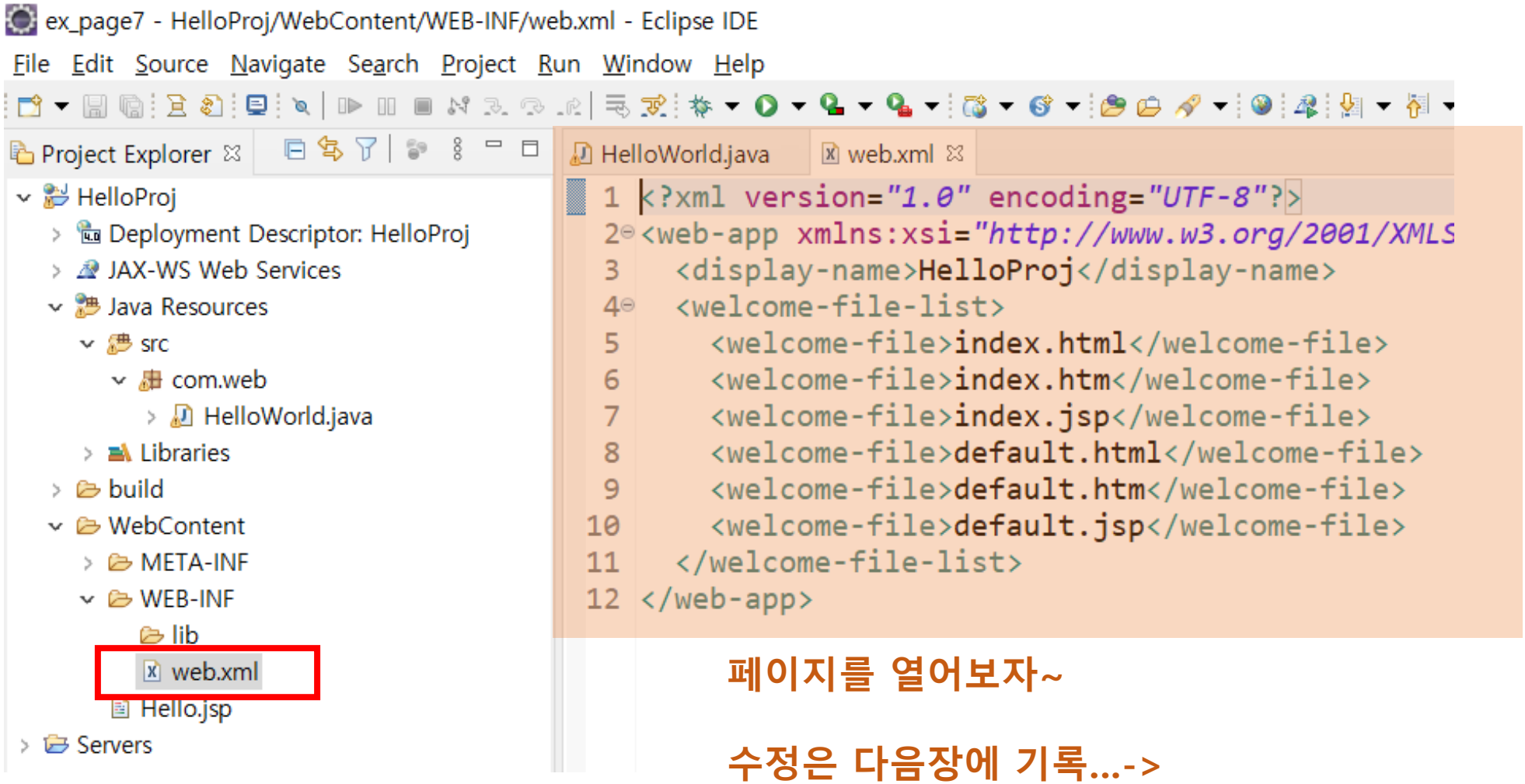
HelloWorld.java

```
1  package com.web;
2
3  import java.io.IOException;
4  import java.io.PrintWriter;
5
6  import javax.servlet.ServletException;
7  import javax.servlet.http.HttpServlet;
8  import javax.servlet.http.HttpServletRequest;
9  import javax.servlet.http.HttpServletResponse;
10
11 public class HelloWorld extends HttpServlet {
12
13     @Override
14     protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {
15
16         resp.setContentType("text/html");
17         PrintWriter out = resp.getWriter();
18         out.println("<html>");
19         out.println("<body>");
20         out.println("Hello Java Server Page ~ !!!");
21         out.println("자바 웹페이지 안녕~ !!!");
22         out.println("</body></html>");
23         out.close();
24     }
25
26 }
```

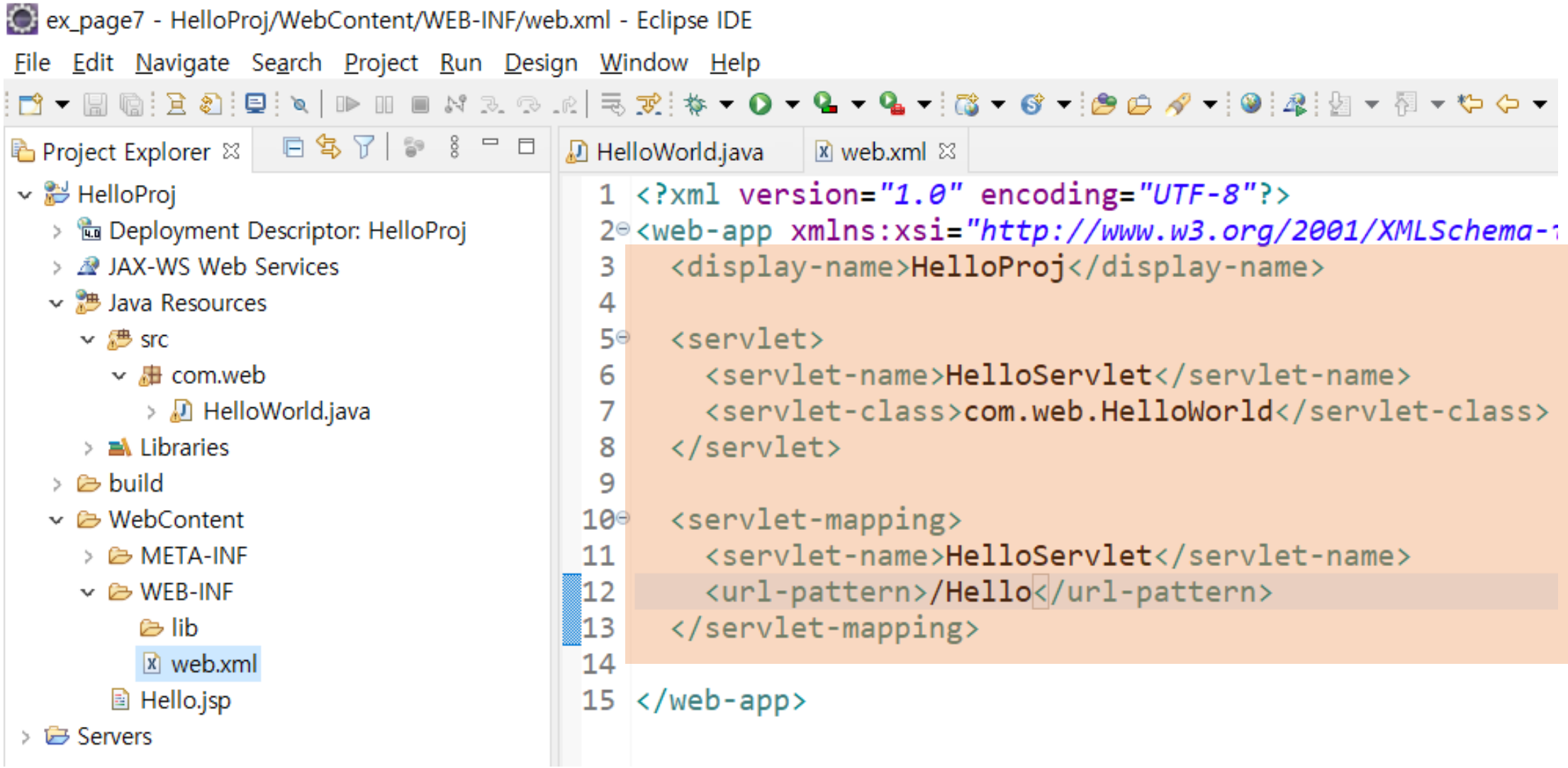
HelloWorld 서블릿페이지 작성

HelloWorld 서블릿페이지 실행

C_4. 서블릿 페이지의 실행을 설정



Web.xml 수정하기


ex_page7 - HelloProj/WebContent/WEB-INF/web.xml - Eclipse IDE
File Edit Navigate Search Project Run Design Window Help
Project Explorer
HelloProj
Deployment Descriptor: HelloProj
JAX-WS Web Services
Java Resources
src
com.web
HelloWorld.java
Libraries
build
WebContent
META-INF
WEB-INF
lib
web.xml
Hello.jsp
Servers
HelloWorld.java
web.xml
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-
3 <display-name>HelloProj</display-name>
4
5 <servlet>
6 <servlet-name>HelloServlet</servlet-name>
7 <servlet-class>com.web.HelloWorld</servlet-class>
8 </servlet>
9
10 <servlet-mapping>
11 <servlet-name>HelloServlet</servlet-name>
12 <url-pattern>/Hello</url-pattern>
13 </servlet-mapping>
14
15 </web-app>

HelloWorld.java

```java
package com.web;

import java.io.IOException;

public class HelloWorld extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

        //resp.setContentType("text/html;charset=UTF-8");
        resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();
        out.println("<html>");
        out.println("<body>");
        out.println("Hello Java Server Page ~ !!!");
        out.println("자바 웹페이지 안녕~ !!!");
        out.println("</body></html>");
        out.close();
    }

}
```

서블릿 작성 및 실행 1

http://localhost:8090/HelloProj/Hello

http://localhost:8090/HelloProj/Hello

Hello Java Server Page ~ !!! ?? ???? ??~ !!!

HelloWorld.java

```java
package com.web;

import java.io.IOException;

public class HelloWorld extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

        resp.setContentType("text/html;charset=UTF-8");
        //resp.setContentType("text/html");
        PrintWriter out = resp.getWriter();
        out.println("<html>");
        out.println("<body>");
        out.println("Hello Java Server Page ~ !!!");
        out.println("자바 웹페이지 안녕~ !!!");
        out.println("</body></html>");
        out.close();
    }

}
```

서블릿 작성 및 실행 2

http://localhost:8090/HelloProj/Hello

http://localhost:8090/HelloProj/Hello

Hello Java Server Page ~ !!! 자바 웹페이지 안녕~ !!!