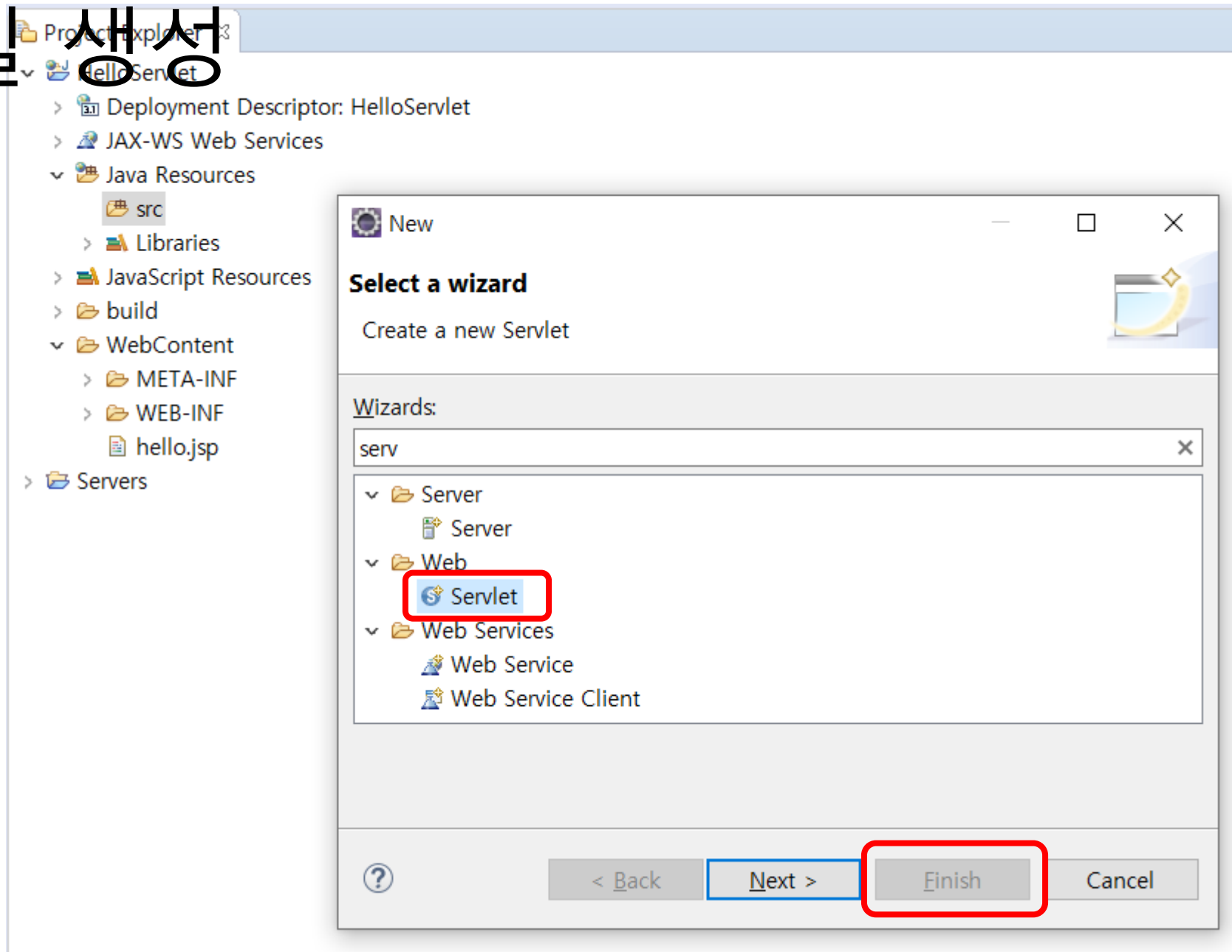
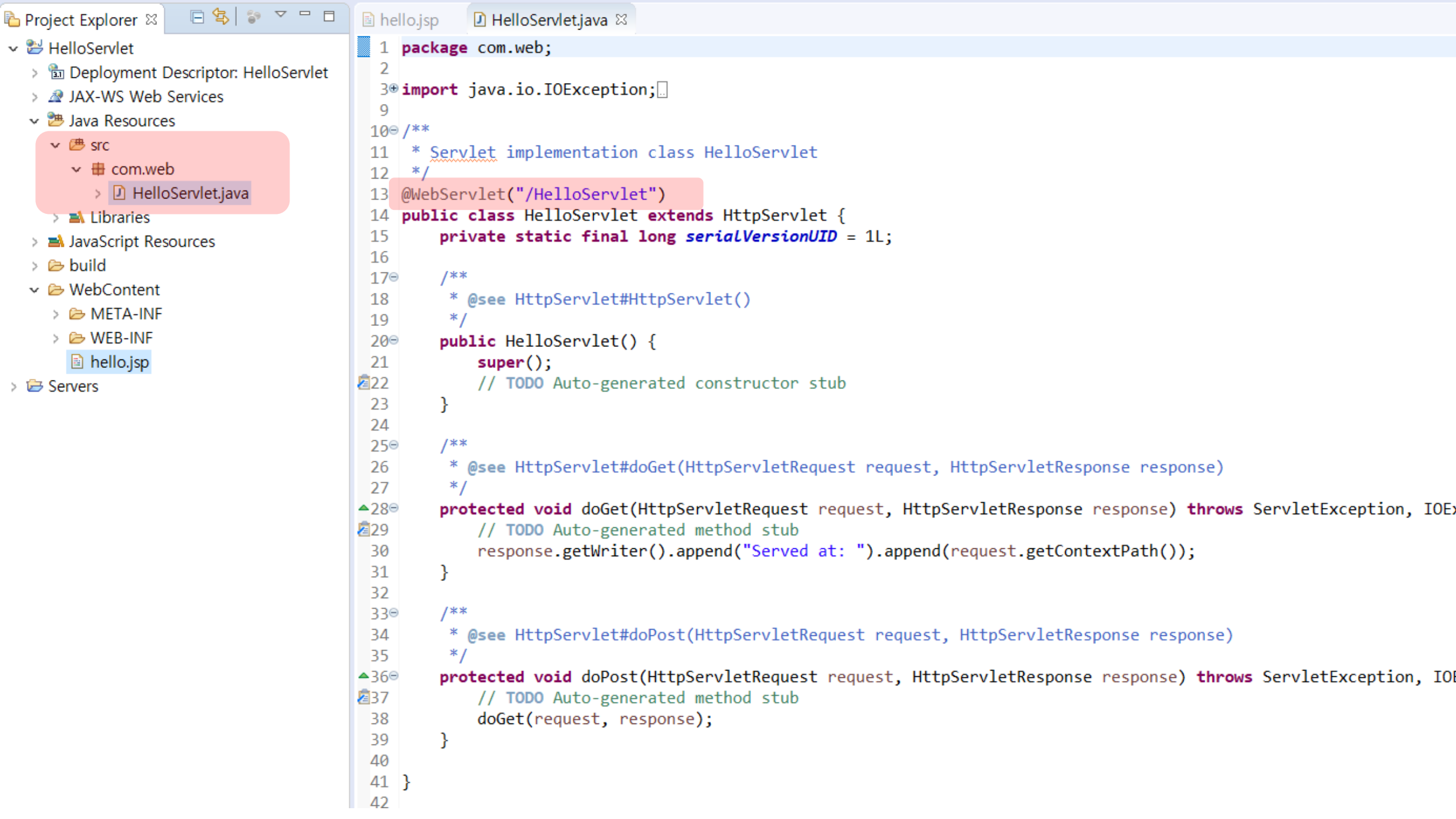


Ex2_Servlet

교사 최선경

Servlet 파일 생성







Quick Access

http://localhost:8090/HelloServlet/HelloServlet

8090/HelloServlet/HelloServlet

Served at: /HelloServlet

hello.jsp

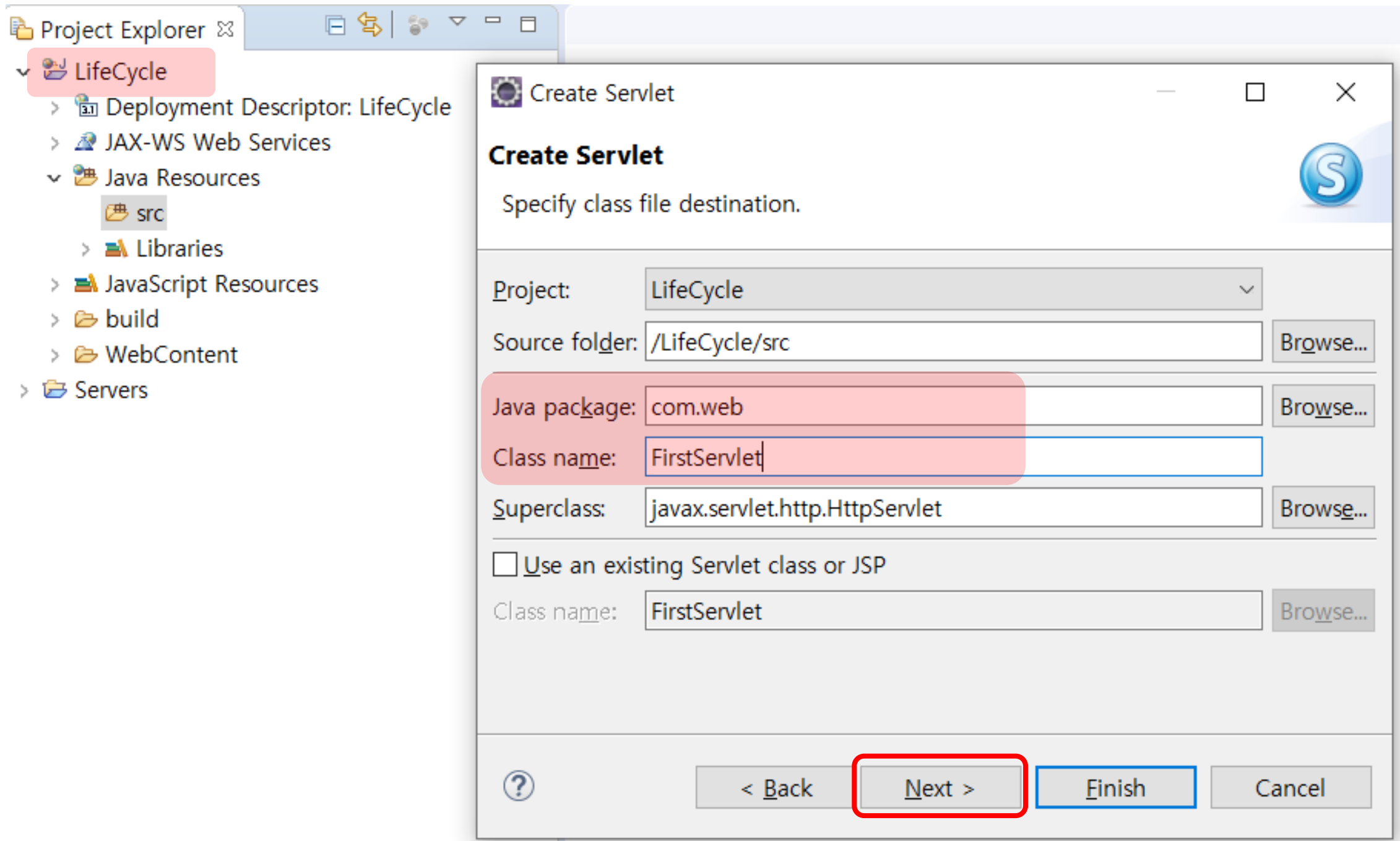
*HelloServlet.java


```
1 package com.web;
2
3 import java.io.IOException;
4
5
6
7
8
9
10 @WebServlet("/HelloServlet")
11 public class HelloServlet extends HttpServlet {
12     private static final long serialVersionUID = 1L;
13
14     public HelloServlet() {
15         super();
16     }
17
18     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
19
20         response.getWriter().append("Served at: ").append(request.getContextPath());
21     }
22
23     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
24
25         doGet(request, response);
26     }
27
28 }
29
```

Servlet의 Url 경로 축약 방법

- 1. **web.xml** 을 사용
- 2. **annotation** 을 사용 (서블릿 3.0 부터 사용가능)
- ??? 경로를 줄여서 사용하는 **이유** ?? 교재를 읽고 알아두자!

Ex2_2 LifeCycle



 Create Servlet

Create Servlet

Enter servlet deployment descriptor specific information.

Name:

Description:

Initialization parameters:

Name	Value	Description

Add...

Edit...

Remove

URL mappings:


/FirstServlet

Add...

Edit...

Remove

☐ Asynchronous Support




< Back

Next >

Finish

Cancel

 Create Servlet

Create Servlet

Specify modifiers, interfaces to implement, and method stubs to generate.

Modifiers: ☒ public ☐ abstract ☐ final

Interfaces:

Add...

Remove

Which method stubs would you like to create?

☒ Constructors from superclass

☒ Inherited abstract methods

☒ init

☐ getServletInfo

☒ doPost

☐ doHead

☒ destroy

☒ service

☐ doPut


☐ doOptions

☐ getServletConfig

☒ doGet

☐ doDelete

☐ doTrace

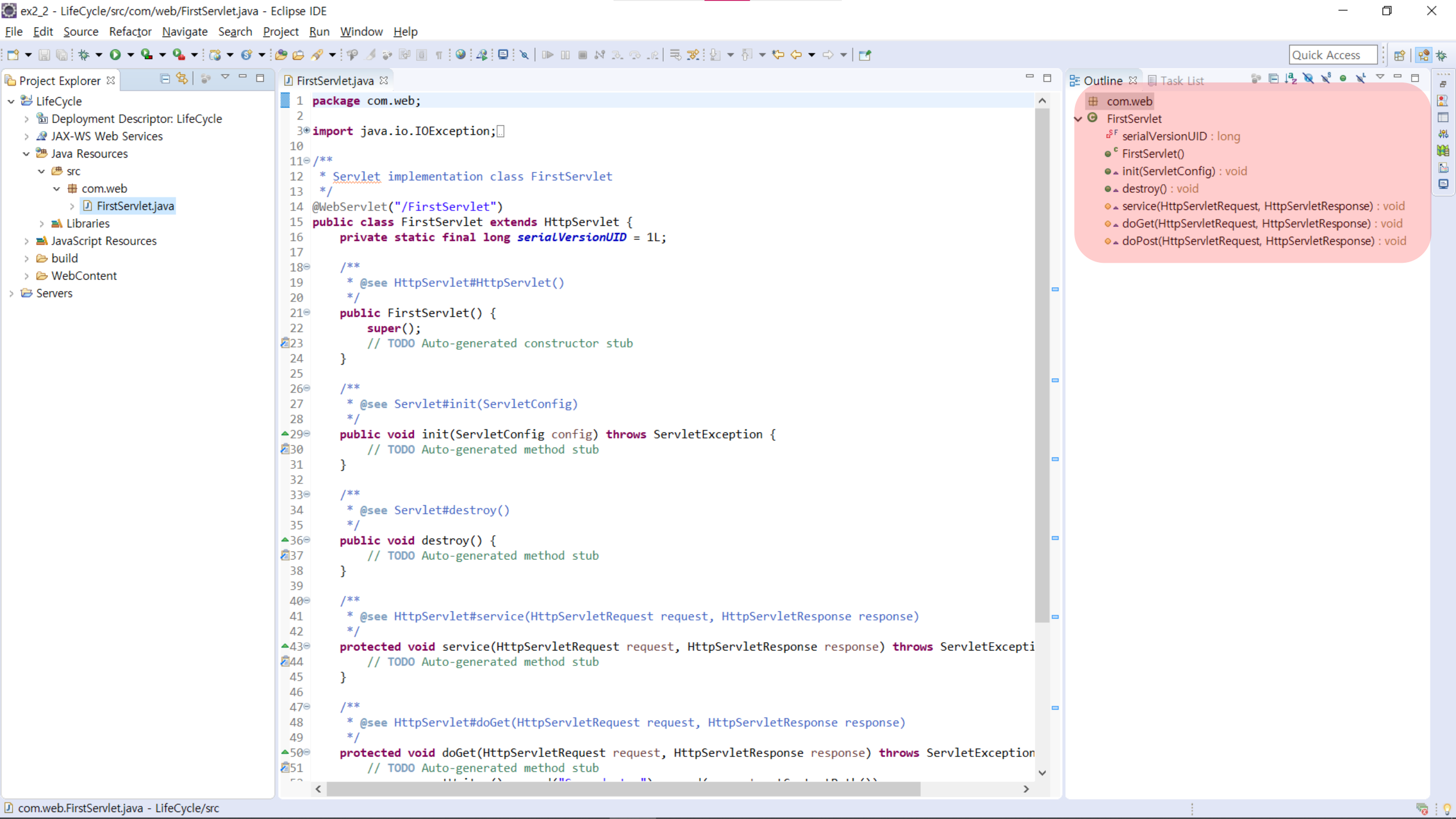


< Back

Next >

Finish

Cancel



코드 수정

```
public void init(ServletConfig config) throws ServletException {  
    System.out.println("init---111-----");  
}  
  
public void destroy() {  
    System.out.println("destroy-----destroy");  
}  
  
protected void service(HttpServletRequest request, HttpServletResponse resp)  
    System.out.println("service-----");  
}
```

http://localhost:8090/LifeCycle/FirstServlet

http://localhost:8090/LifeCycle/FirstServlet

첫번째실행
-> 새로그침을 눌러
하단의 console 확인

FirstServlet.java

```
1 package com.web;
2
3 import java.io.IOException;
10
11 @WebServlet("/FirstServlet")
12 public class FirstServlet extends HttpServlet {
13     private static final long serialVersionUID = 1L;
14
15     public FirstServlet() {
16         super();
17         // TODO Auto-generated constructor stub
18     }
19
20     public void init(ServletConfig config) throws ServletException {
21         System.out.println("init----111-----");
22     }
23
24     public void destroy() {
25         System.out.println("destroy-----destroy");
26     }
27
28     protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
29         System.out.println("service-----");
30     }
31
32     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
33         // TODO Auto-generated method stub
34         response.getWriter().append("Served at: ").append(request.getContextPath());
35     }
36 }
```

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_321\bin\javaw.exe (2022. 3. 9. 오전 7:28:57)

3월 09, 2022 7:29:00 오전 org.apache.coyote.AbstractProtocol start

정보: 프로토콜 핸들러 ["http-nio-8090"]을(를) 시작합니다.

3월 09, 2022 7:29:00 오전 org.apache.catalina.startup.Catalina start

정보: Server startup in 1903 ms

init----111-----

service-----

service-----

service-----

service-----

수정후 재실행~ 직전에 확인해보자

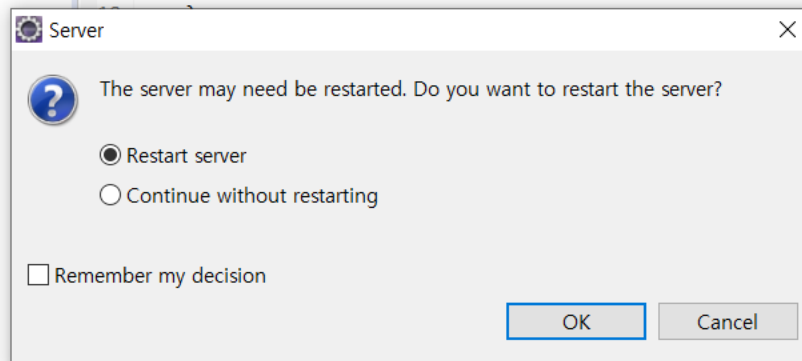
```
public void init(ServletConfig config) throws ServletException {  
    System.out.println("init---222-----");  
}
```

http://localhost:8090/LifeCycle/FirstServlet

http://localhost:8090/LifeCycle/FirstServlet

FirstServlet.java

```
1 package com.web;
2
3 import java.io.IOException;
4
10
11 @WebServlet("/FirstServlet")
12 public class FirstServlet extends HttpServlet {
13     private static final long serialVersionUID = 1L;
14
15     public FirstServlet() {
16         super();
17         // TODO Auto-generated constructor stub
18     }
19
20     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21         // TODO Auto-generated method stub
22         response.getWriter().append("Served at: ").append(request.getContextPath());
23     }
24 }
```



Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Program Files\Java\jre1.8.0_321\bin\javaw.exe (2022. 3. 9. 오전 7:28:57)

service-----
service-----
service-----
service-----

3월 09, 2022 7:30:20 오전 org.apache.catalina.core.StandardContext reload
정보: 이름이 [/LifeCycle]인 컨텍스트를 다시 로드하는 작업이 시작되었습니다.

destroy-----destroy

3월 09, 2022 7:30:20 오전 org.apache.catalina.core.StandardContext reload
정보: 이름이 [/LifeCycle]인 컨텍스트를 다시 로드하는 것을 완료했습니다.

Servlet의 LifeCycle 생명주기

- 1. **init** 초기화
- 2. **service** 클라이언트의 요청 처리
- 3. **destroy** 자원의 해제시
- ??? 서블릿의 실행흐름을 이해한다
- **생성 -> 실행...실행...실행...실행... -> 소멸**