spring boot기초

안 화 수

Spring boot의 특징

❖ spring boot 의 특징

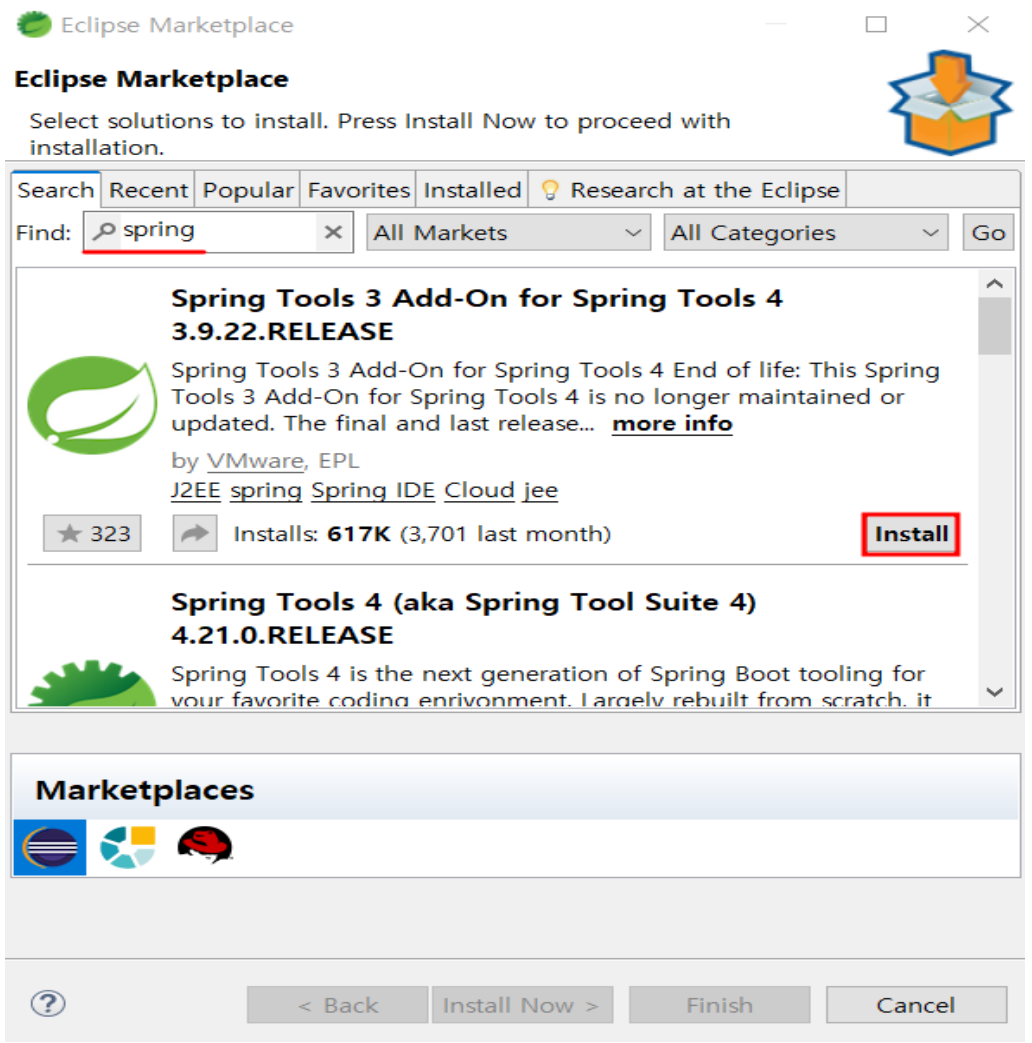
- 독립 실행이 가능한 스프링 애플리케이션 개발 가능(Tomcat, Jetty 내장)
- 통합 Starter를 이용하여 Maven/Gradle 로 라이브러리 관리
- Starter를 통한 자동화된 스프링 설정 제공
- 번거로운 XML 설정을 요구하지 않음
- Spring Actuator 제공 (애플리케이션의 모니터링과 관리를 위해서 사용)

spring boot환경구축

- Eclipse에 STS 3.x plug-in 설치

  [Help] - MarketPlace

  Find : spring 검색

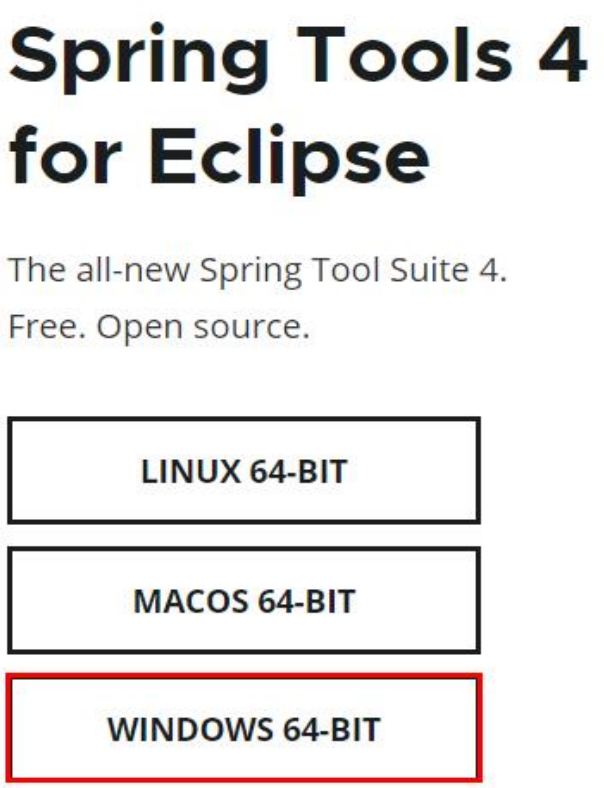


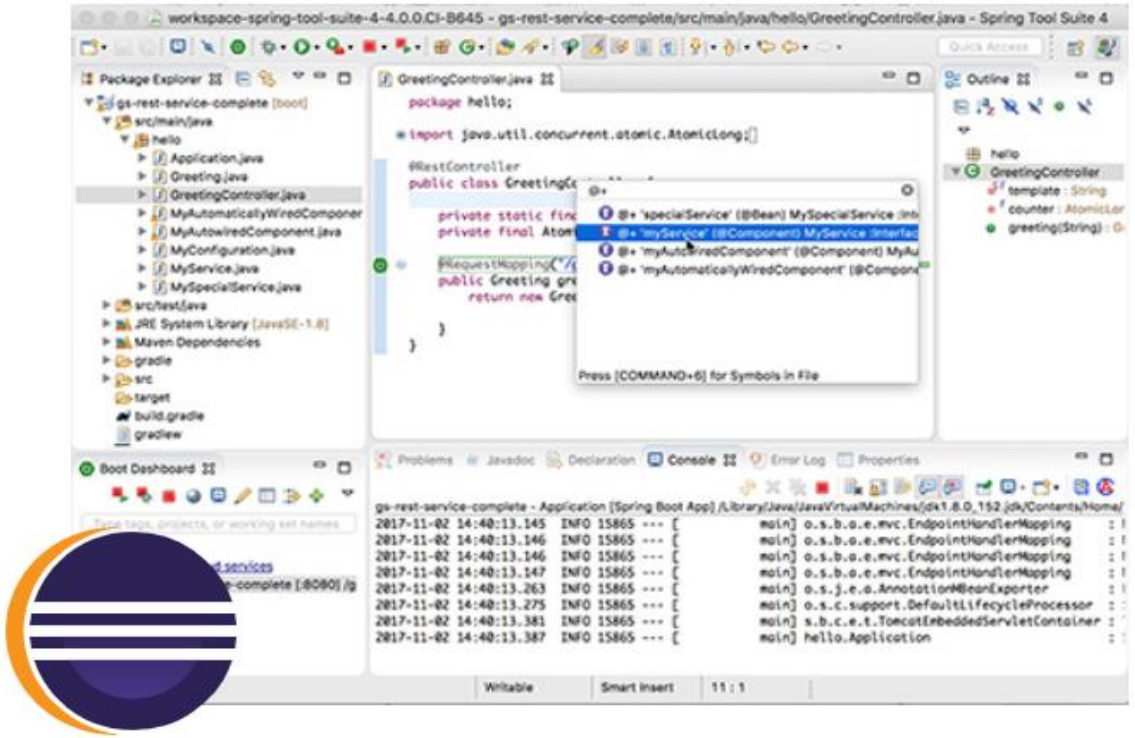
spring boot환경구축

- **STS(Spring Tool Suite)**

1. STS4 다운로드

https://spring.io/tools 접속

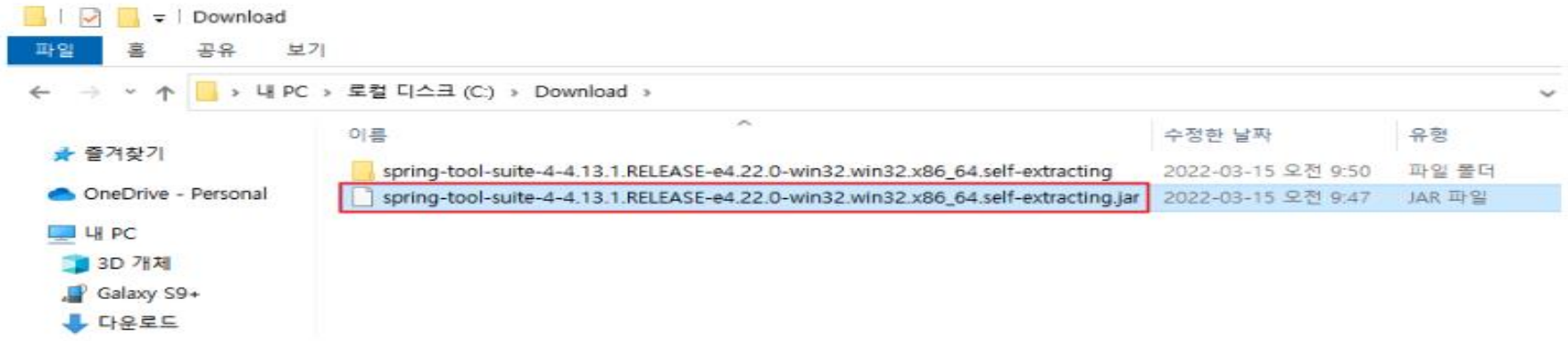




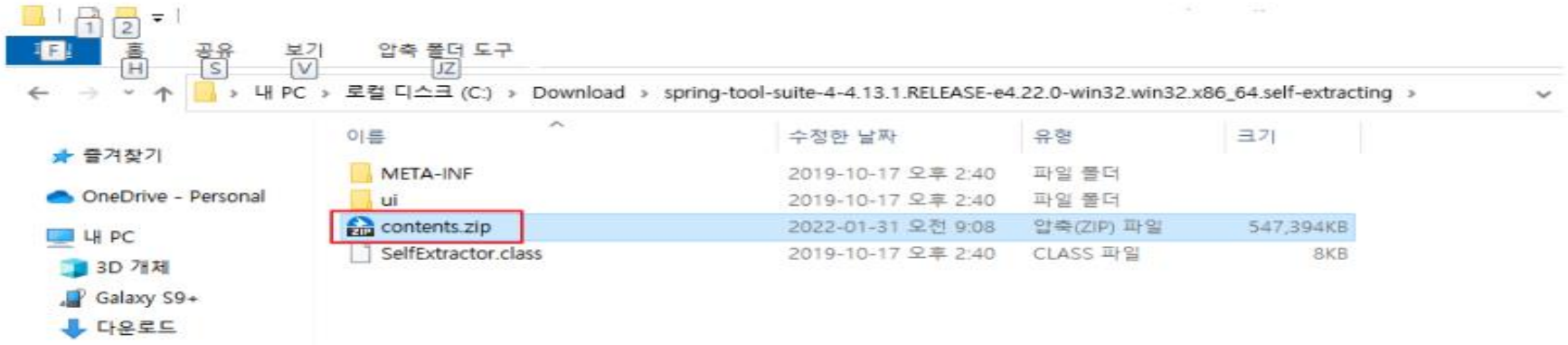
spring 환경구축

STS 4.x 압축해제 및 실행

1. 다운로드 받은 jar 파일을 압축 해제 한다.



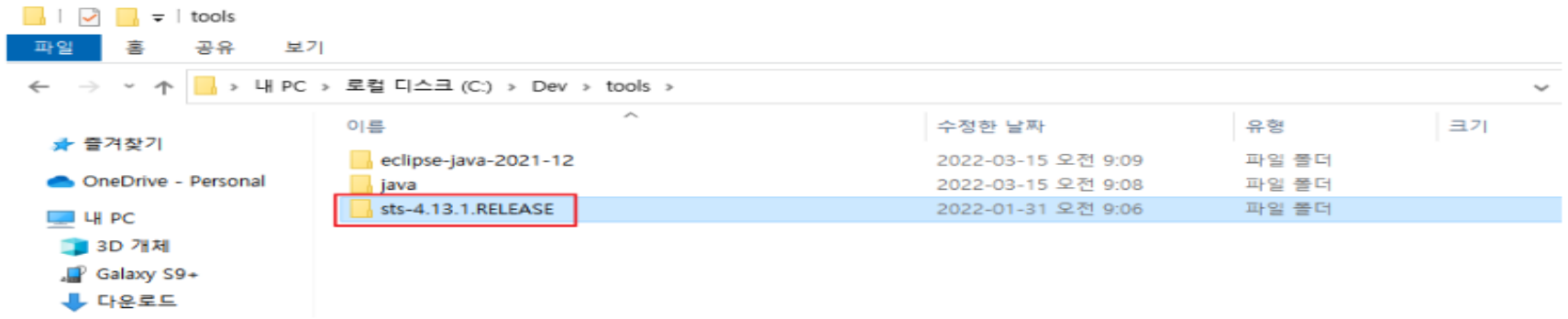
2. 다시 한번 contents.zip 파일을 압축 해제한다.



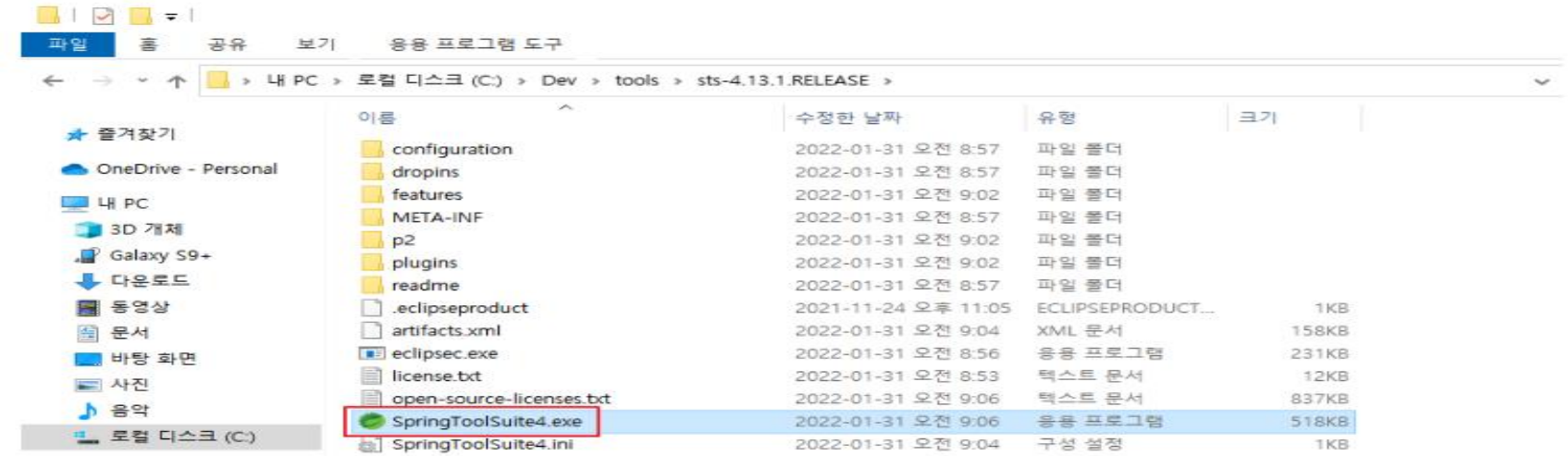
spring 환경구축

STS 4.x 압축해제 및 실행

3. 압축 해제된 contents 폴더로 들어간다.



4. sts4 실행파일을 클릭해서 실행한다.

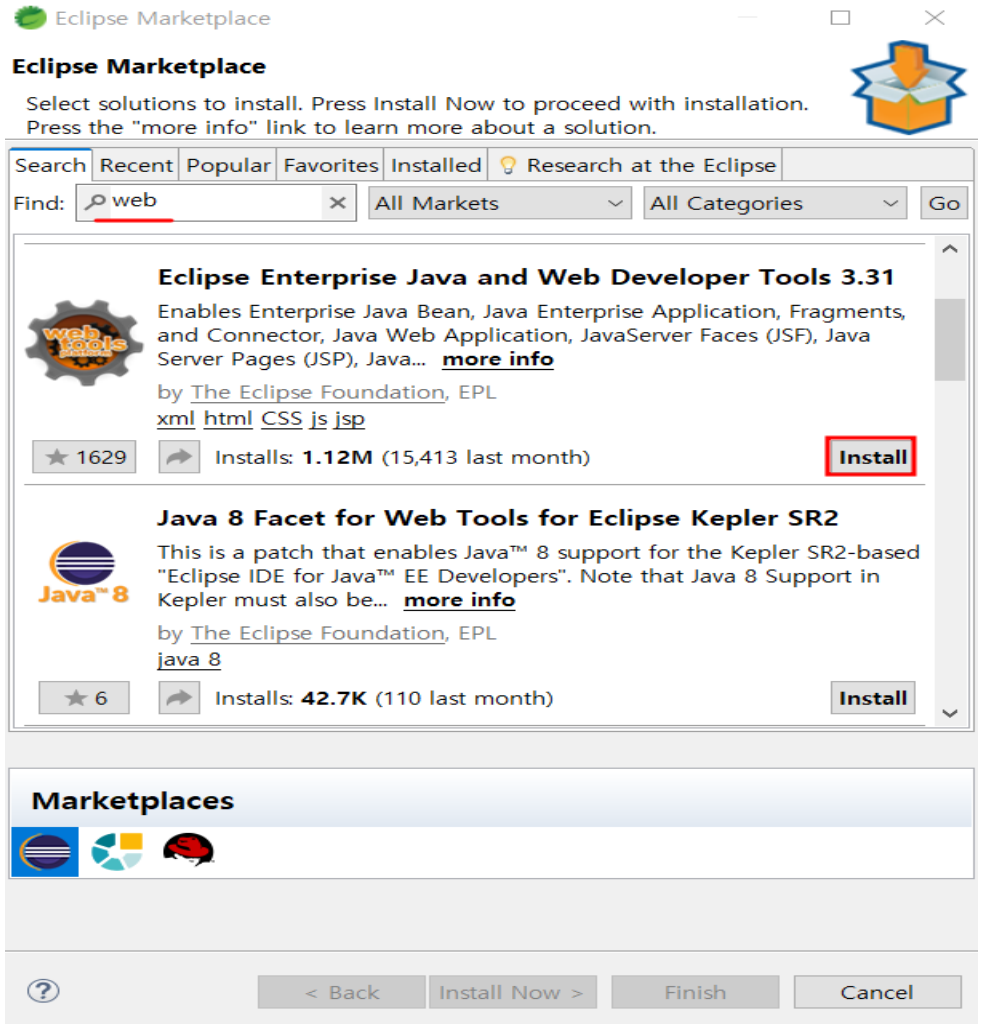


spring 환경구축

- STS4에 JSP를 사용하기 위해서 plugin 추가하기

[Help] - MarketPlace

Find : web 검색



spring 환경구축

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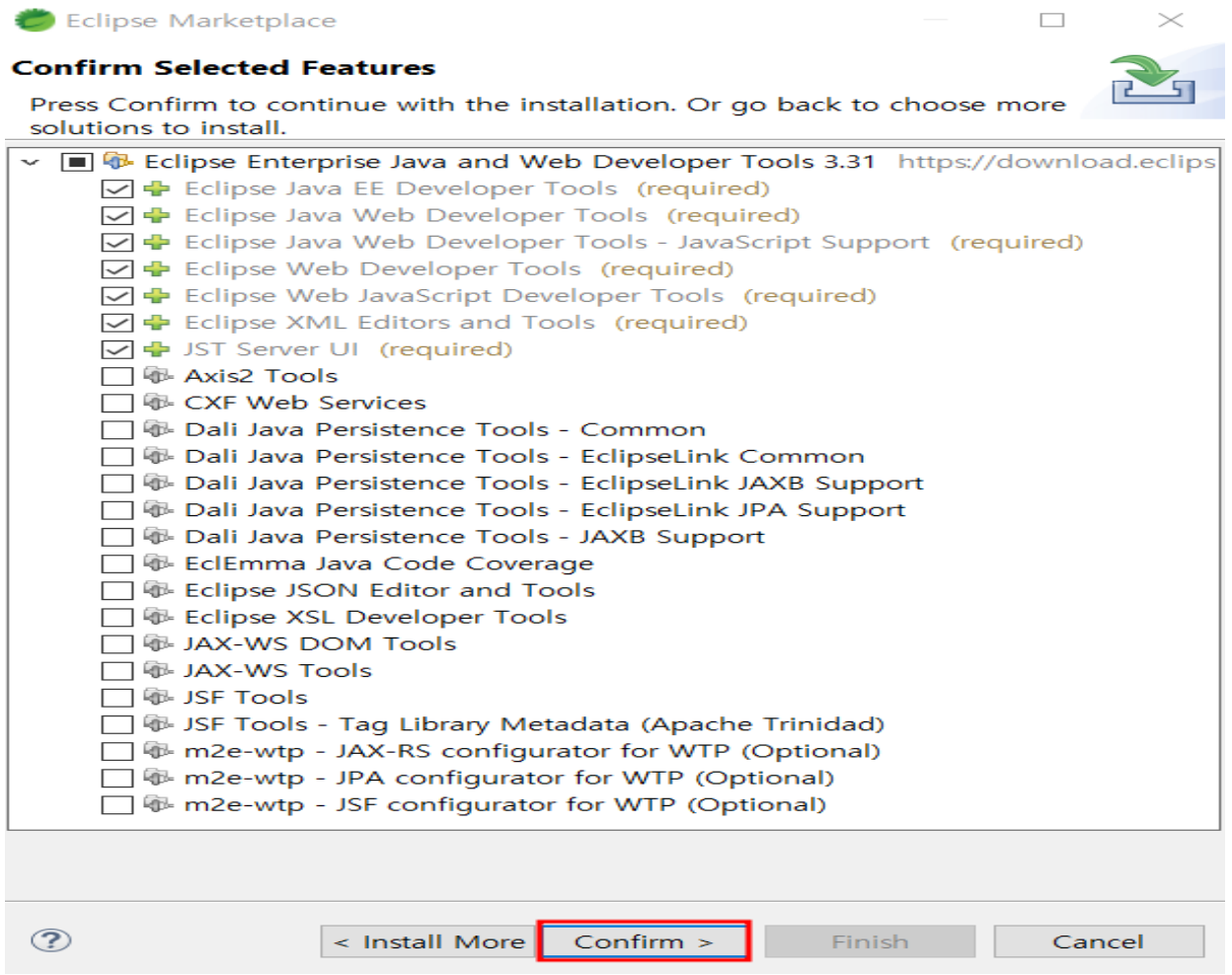
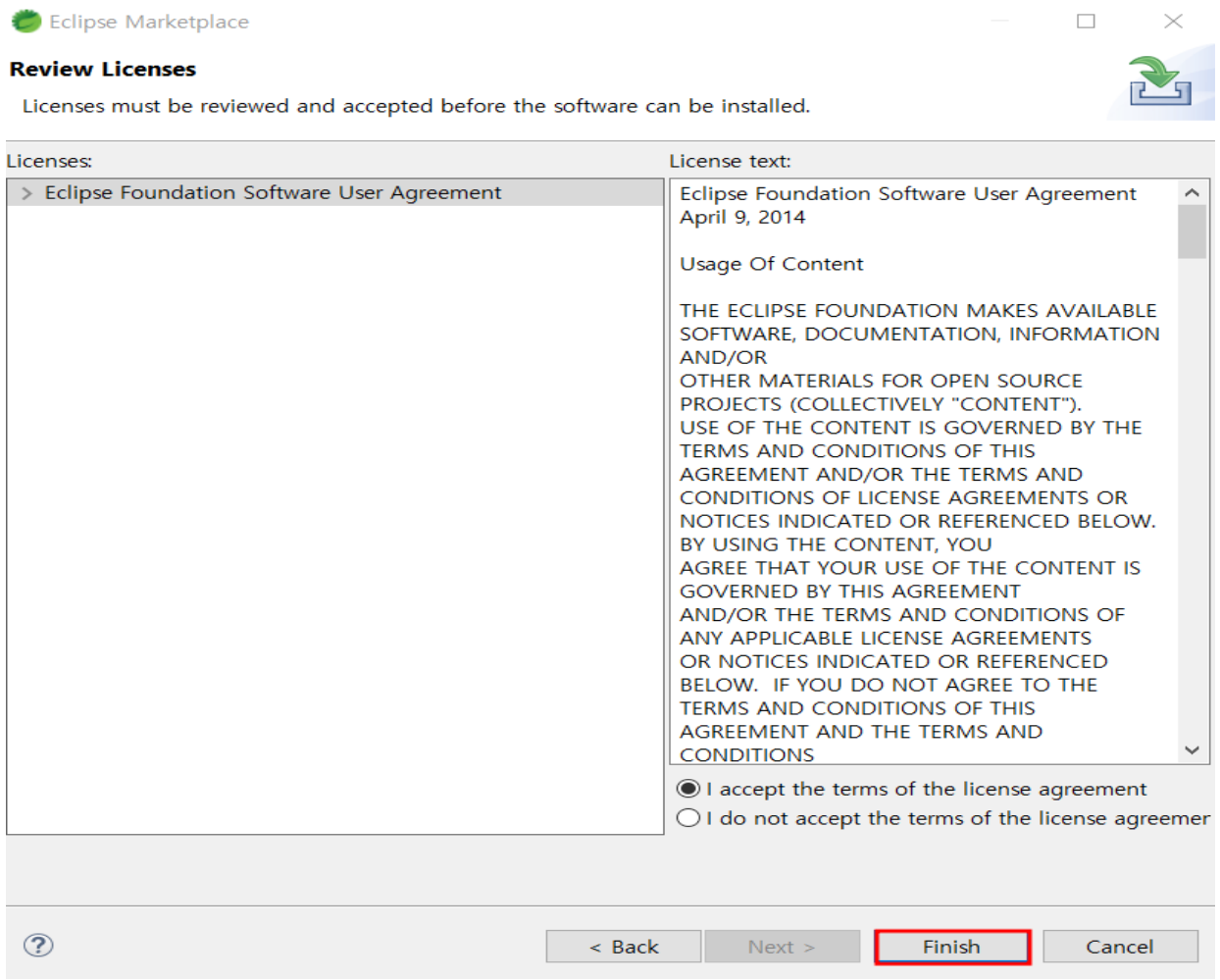


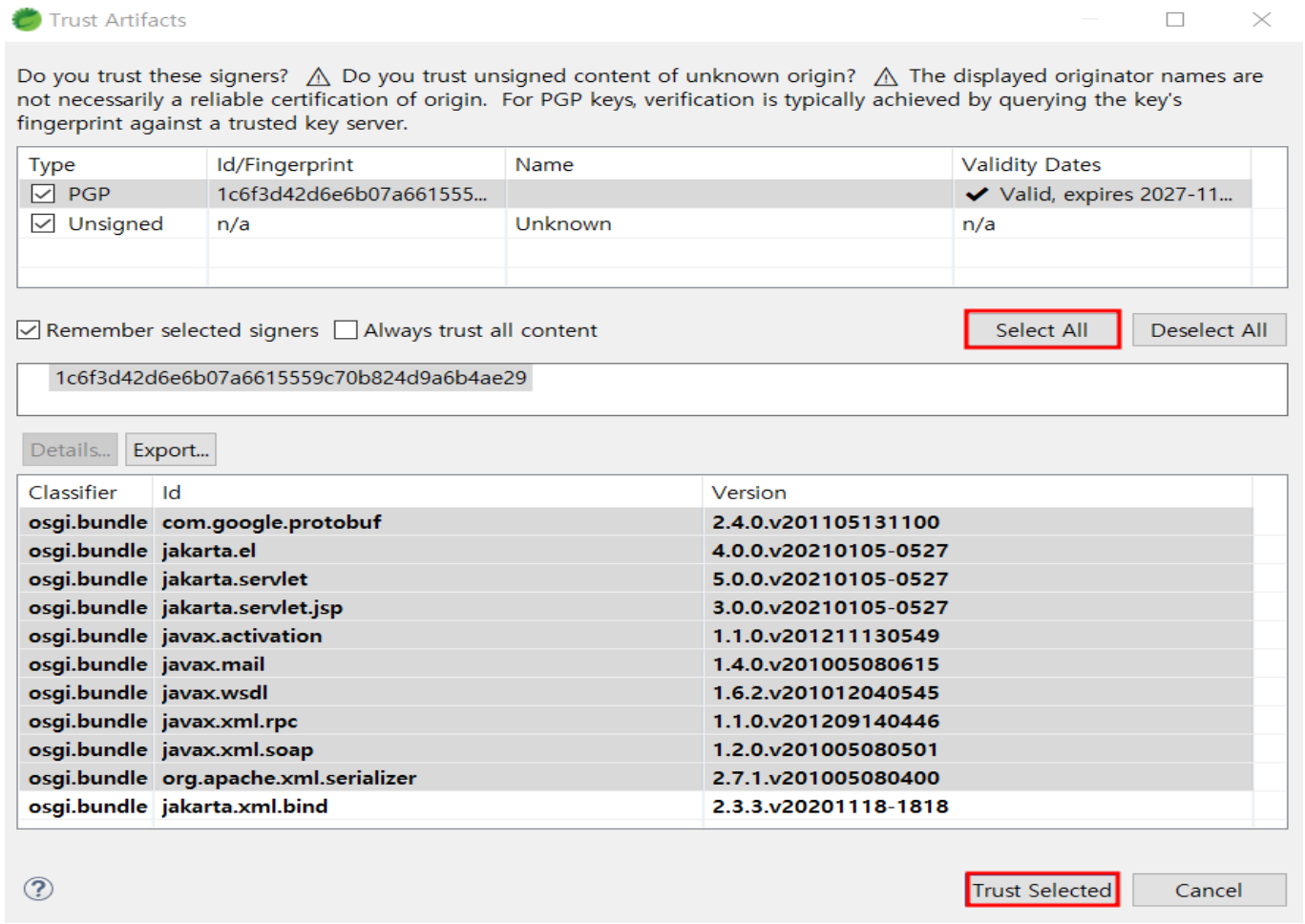
spring 환경구축

STS4에 JSP를 사용하기 위해서 plugin 추가하기



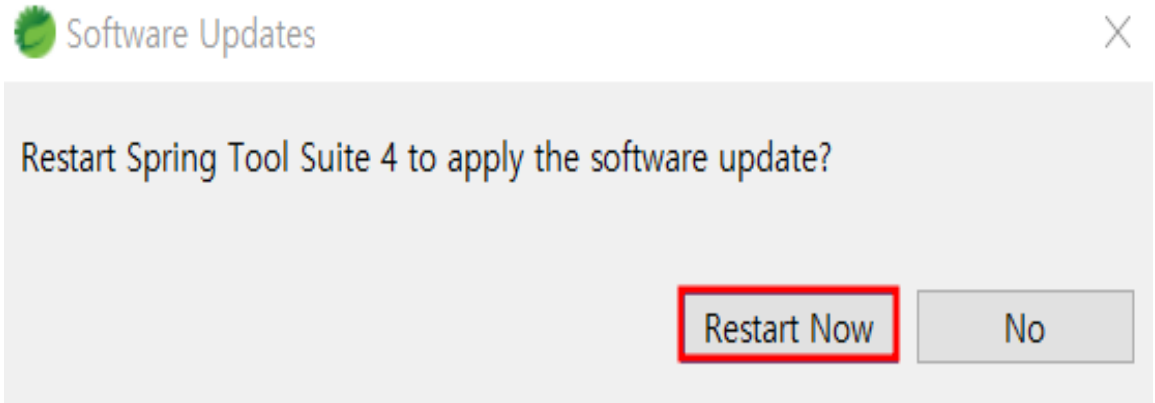
spring 환경구축

STS4에 JSP를 사용하기 위해서 plugin 추가하기



spring 환경구축

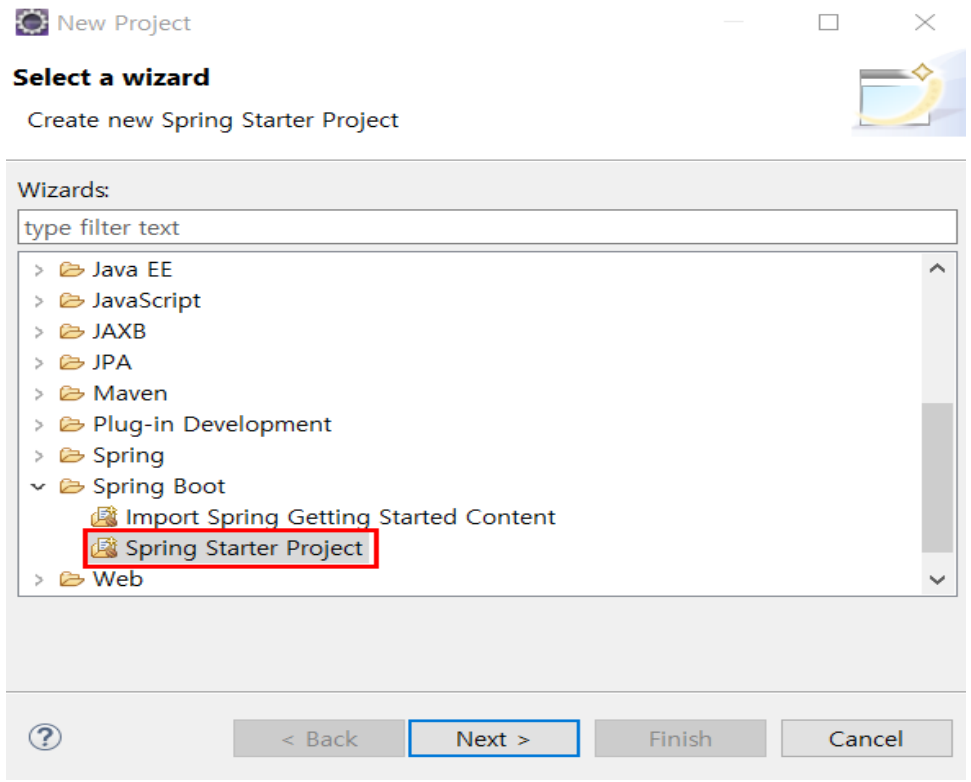
- **STS4에 JSP를 사용하기 위해서 plugin 추가하기**



spring boot 프로젝트

- demo project 생성

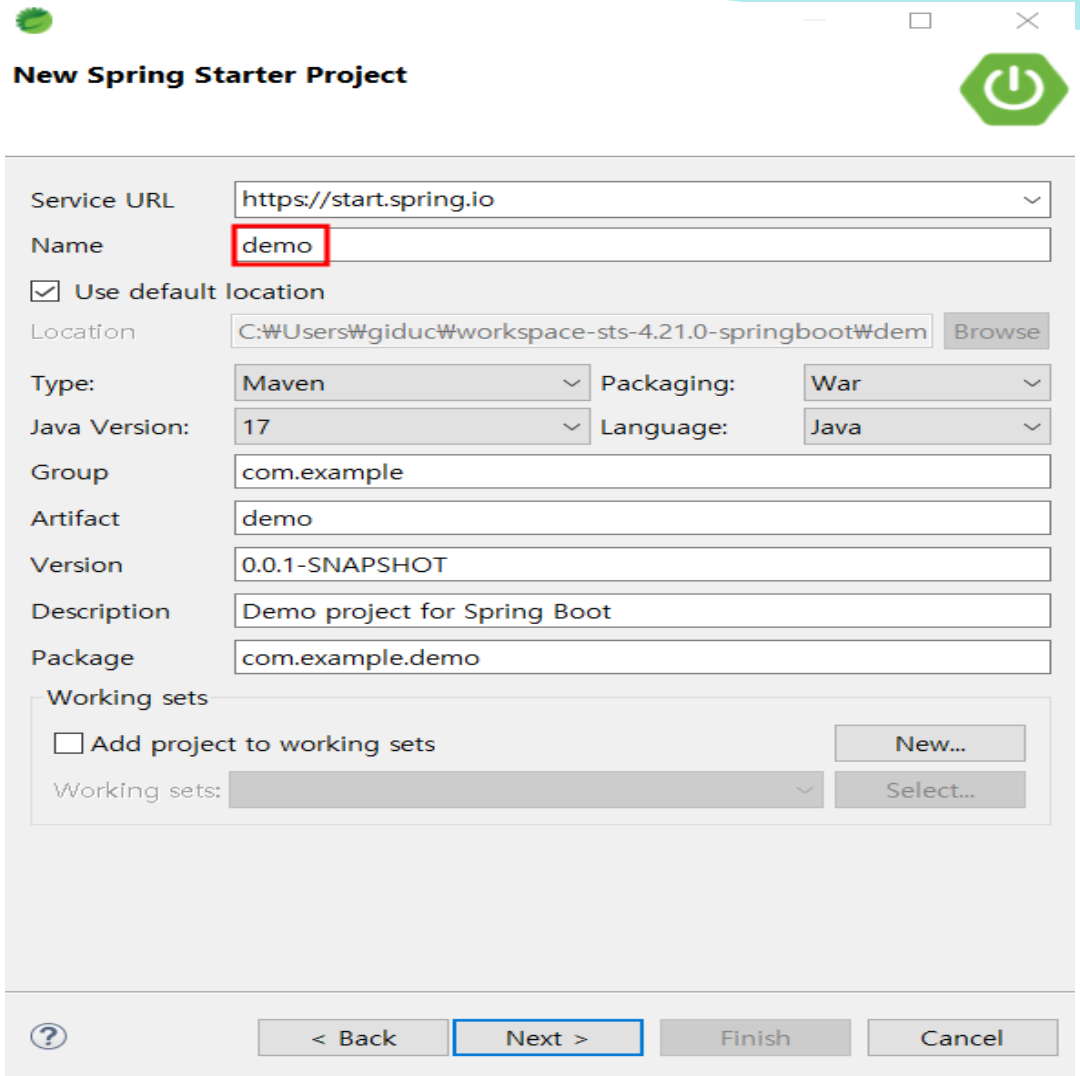
[File] – New - Project



spring boot 프로젝트

- demo project 생성

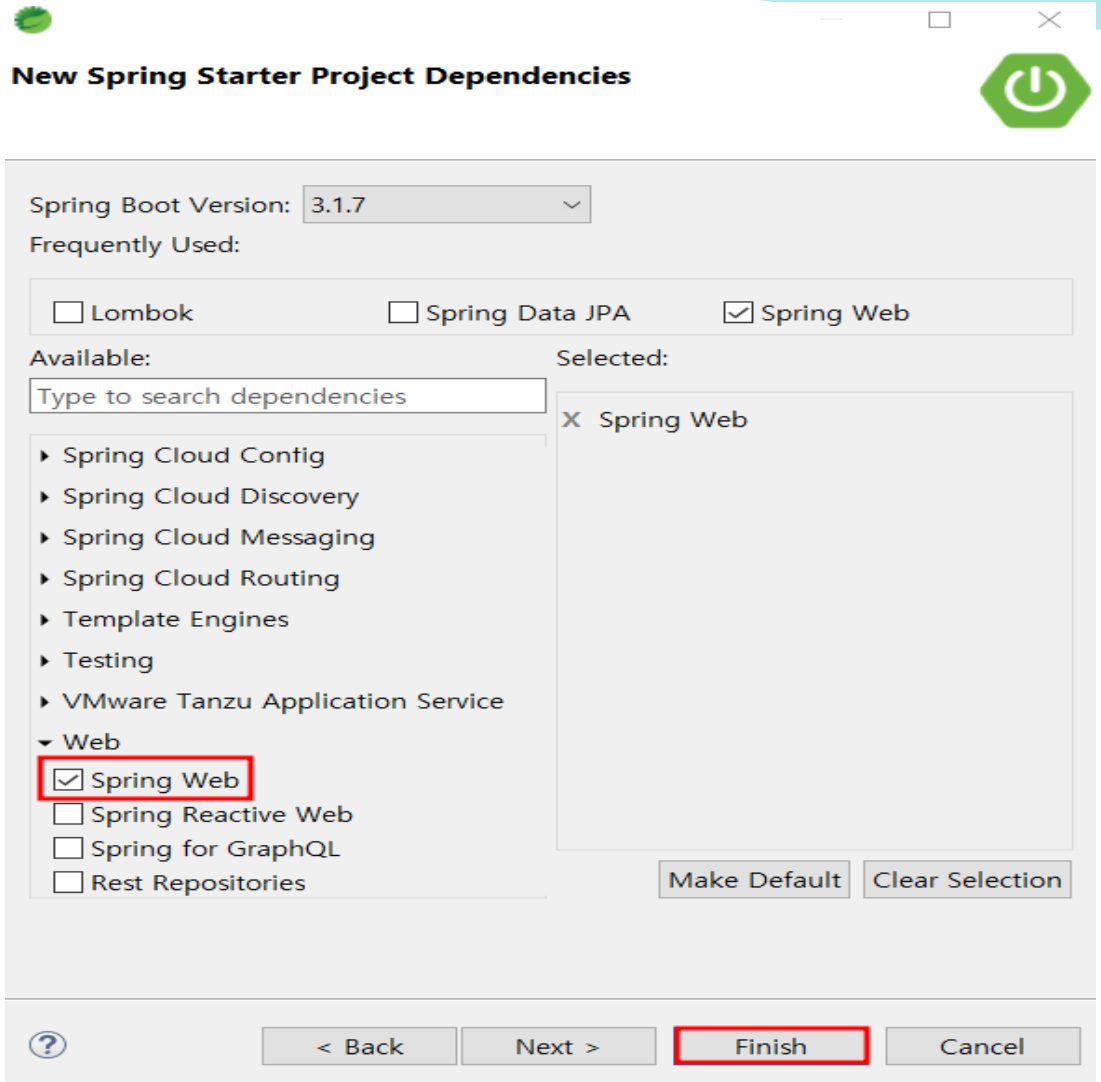
- Name : demo
- Type : Maven, Gradle
- Packaging : War, Jar



spring boot 프로젝트

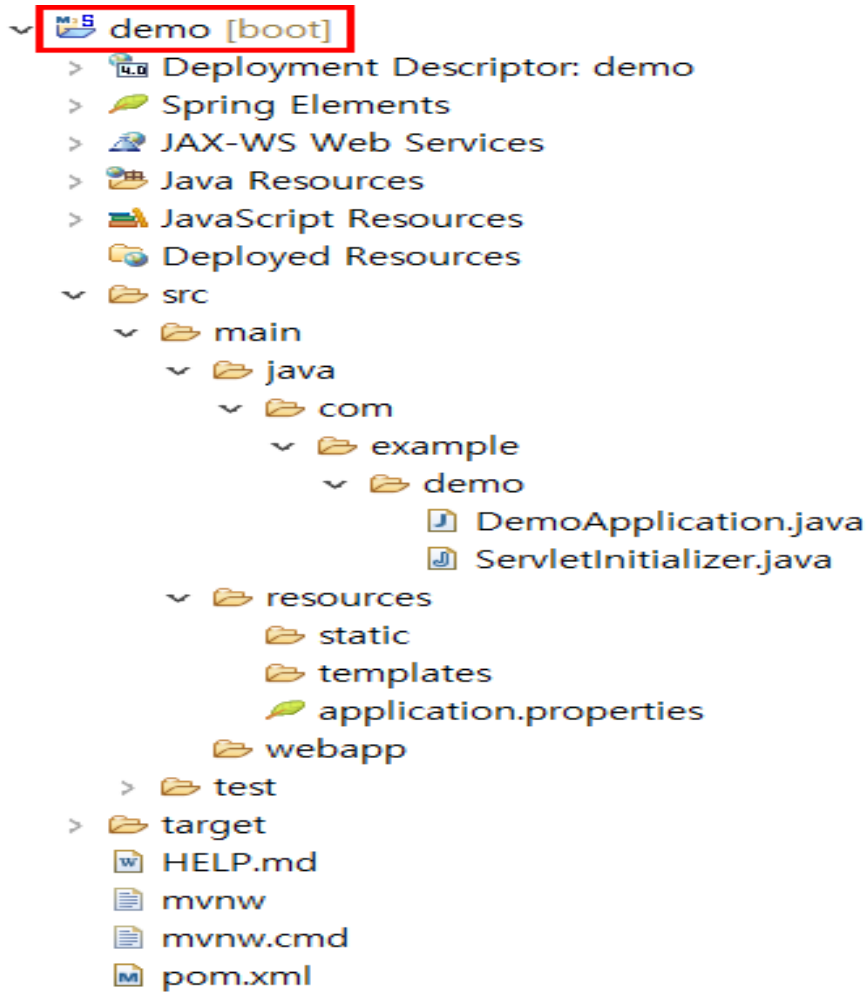
- demo project 생성
- Web

  Spring Web 체크



spring boot 프로젝트

- demo project 생성



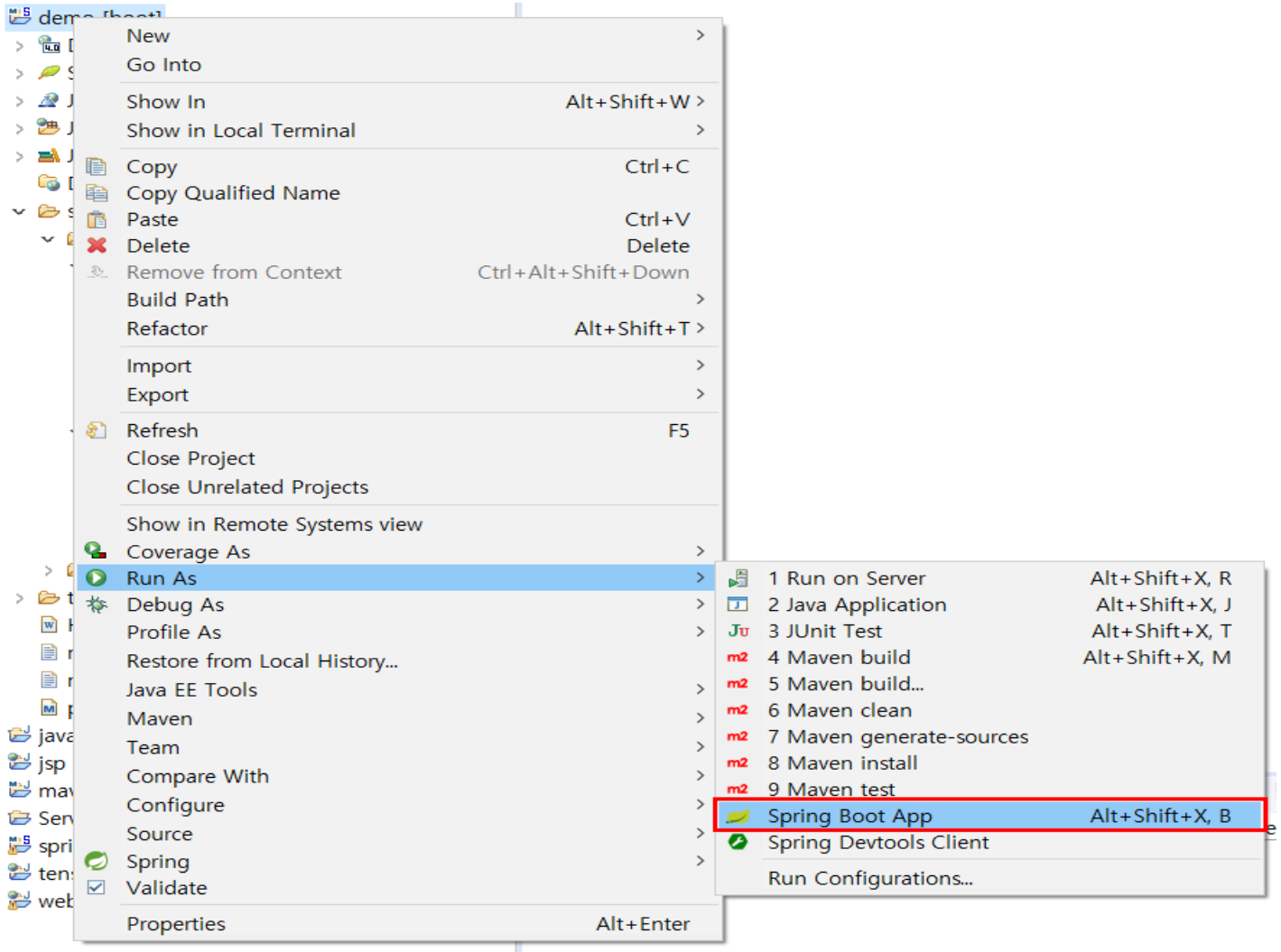
spring boot 서버 실행

- **demo project 실행**
  내장 Tomcat 실행

demo – 오른마우스 클릭

- Run As

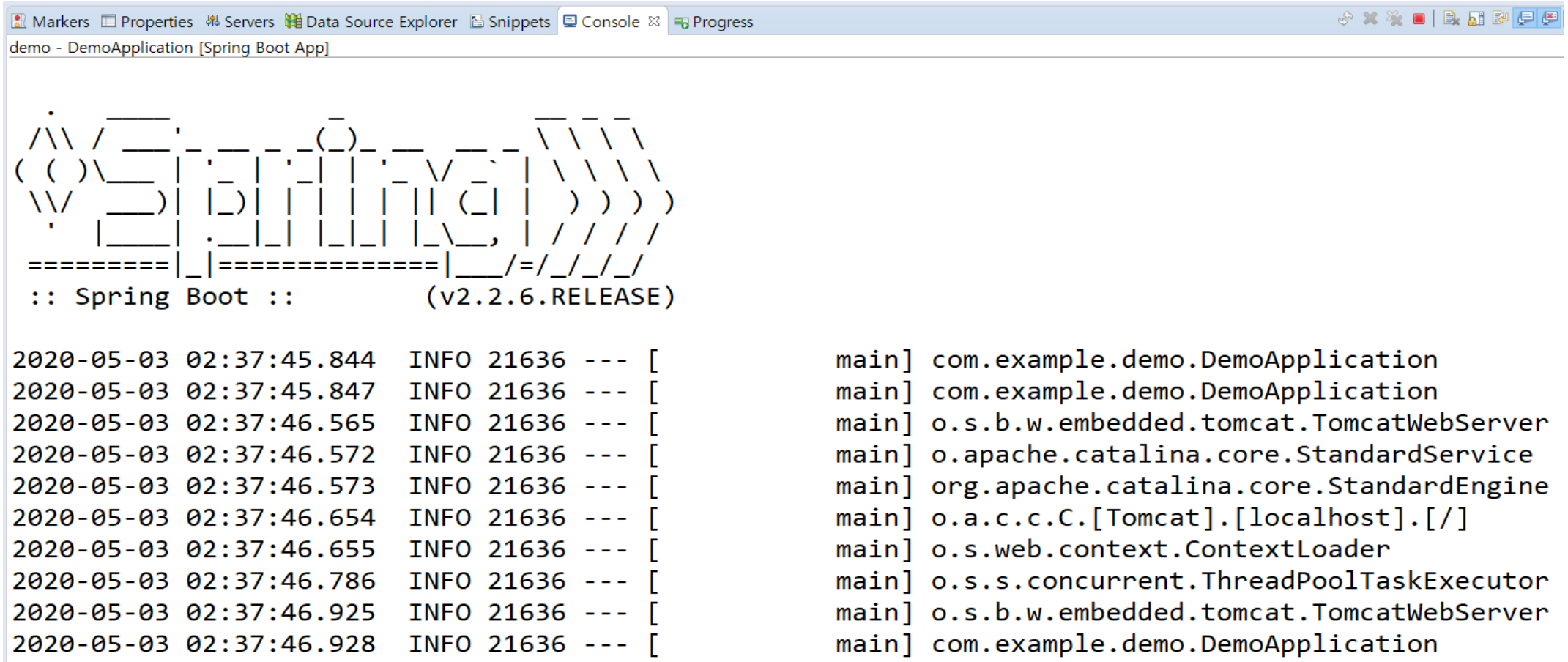
- Spring Boot App



spring boot 서버 실행

- **demo project 실행 결과**

다음과 같이 출력되면 성공~!!



Controller 생성

- Controller를 추가해서 Hello World 출력

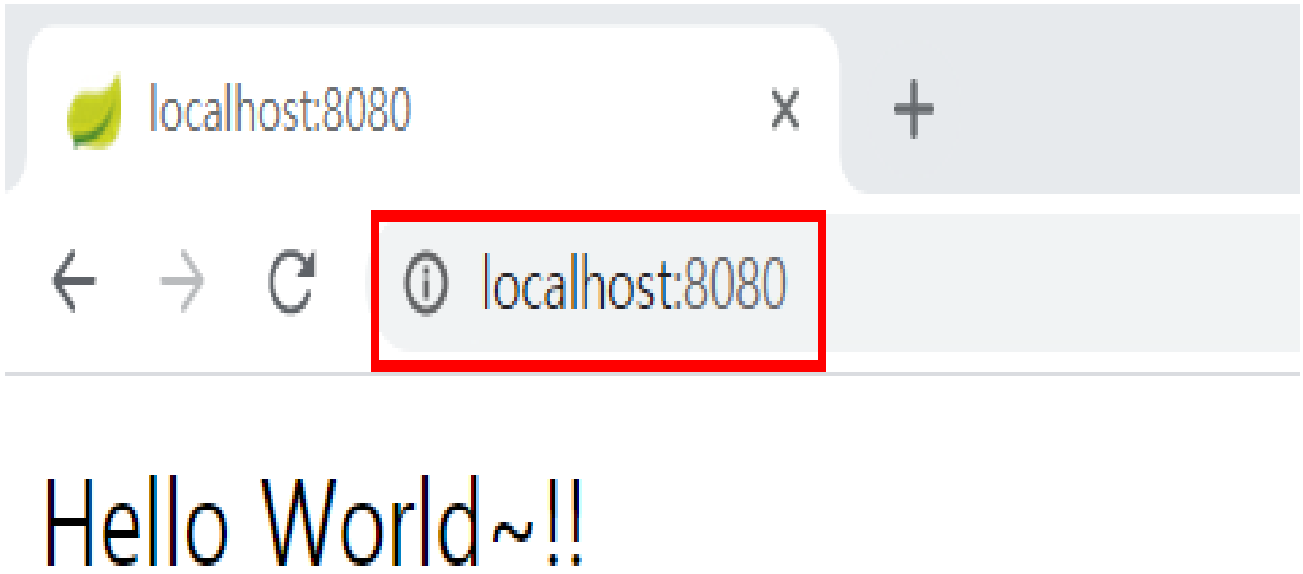
/main/java/com/example/demo/controller – SampleController.java 생성

```
package com.example.demo.controller;

import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

@RestController
public class SampleController {

    @RequestMapping("/")
    public String hello() {
        return "Hello World~!!";
    }
}
```

demo 프로젝트 접속

- **Controller를 추가해서 Hello World 출력**

demo project를 중지하고, 재시작 한 후에 웹브라우즈에 http://localhost:8080 요청한다.



port 번호 설정

❖ port 번호 설정

spring boot 에 내장된 tomcat은 8080 이 기본 port 번호로 되어 있지만, 필요에 따라서 port 번호를 변경할 수 있다.

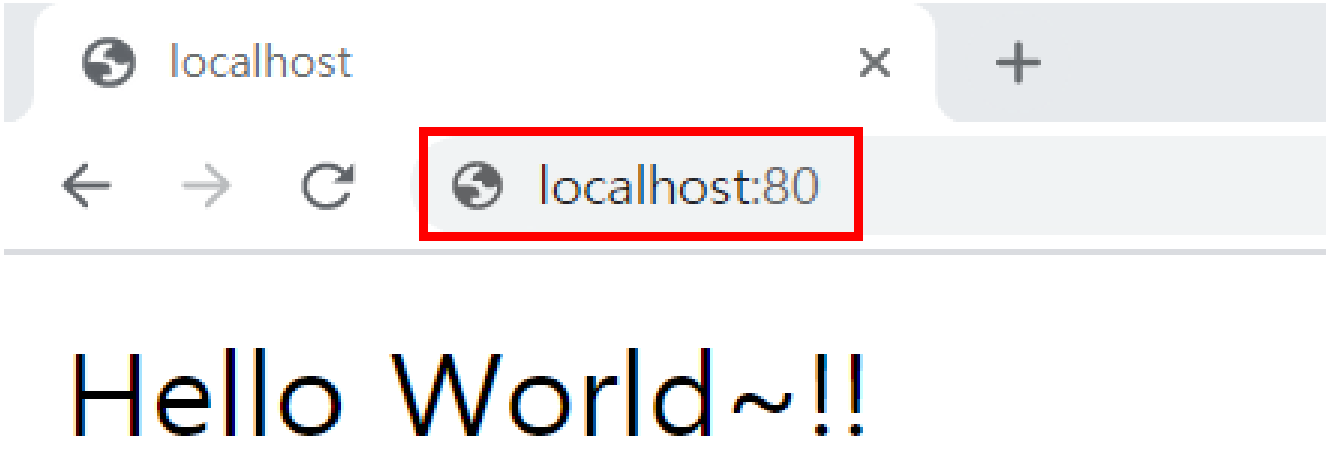
➢ main / resources / application.properties

server.port = 80

demo 프로젝트 접속

- **port 번호 변경후 Hello World 출력**

demo project를 중지하고, 재시작 한 후에 웹브라우즈에 http://localhost:80 요청한다.



Properties와 Yaml(야믈)

- application.properties와 application.yml

- application.properties

```
server.port=80
```

- application.yml

```
server:
    port: 80
```

Properties와 Yaml(야믈)

- **Properties와 Yaml 변환 사이트**

https://mageddo.com/tools/yaml-converter