

001-Spring Boot Giriş

İlk olarak aşağıdaki bağlantıdan jdk11 indirilir ve kurulur.
<https://www.oracle.com/tr/java/technologies/javase/jdk11-archive-downloads.html>

Ardından Docker Desktop indirilir ve kurulumu gerçekleştirilir.
<https://www.docker.com/get-started/>

Spring.io üzerinden spring initializr ile ilk springboot uygulamamızı oluşturalım.
Bu projeyi maven ile oluşturmaktayız.
<https://start.spring.io/>

Projeler için sıralı bir yapı oluşması için alttaki dizilimi uygulayacağım.

sb:	Spring boot
ssec:	Spring security
mvn:	Maven
smvc:	Spring mvc

Örneğin;
sb-01-hello-world
sb-02-mongo-rest
ssec-01-mongo-rest

Paket ismini ise spring boot projeleri için **sb** yanına da soyismimi (**gltkn**) ifadesini ekleyeceğim.
Örneğin; **com.sb.gltk**

Ayrıca oluşacak spring boot application class'ının başında **Sb01** ifadesi olmaması için aşağıdaki **Name** alanına *sb-01* olmadan sadece *hello-world* olacak şekilde yazdık.

Spring Initializr

start.spring.io

Project

☒ Maven Project ☐ Gradle Project

Language

☒ Java ☐ Kotlin ☐ Groovy

Spring Boot

☐ 3.0.0 (SNAPSHOT) ☐ 3.0.0 (M3) ☐ 2.7.1 (SNAPSHOT) ☒ 2.7.0

☐ 2.6.9 (SNAPSHOT) ☐ 2.6.8

Project Metadata

Group com.sb.gltk

Artifact sb-01-hello-world

Name hello-world

Description Hello World project for Spring Boot

Package name com.sb.gltk

Packaging ☒ Jar ☐ War

Java ☐ 18 ☐ 17 ☒ 11 ☐ 8

Dependencies

ADD DEPENDENCIES... CTRL + B

Spring Web ☒ WEB

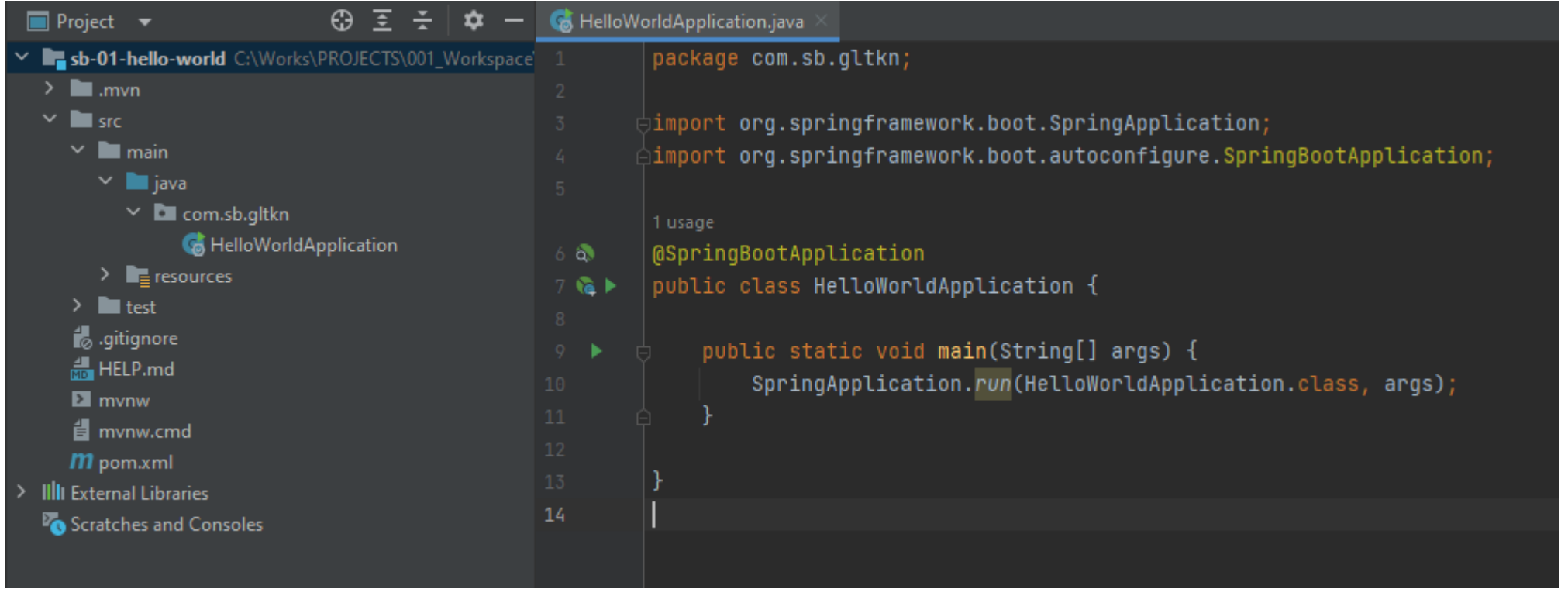
Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.

GENERATE CTRL + G

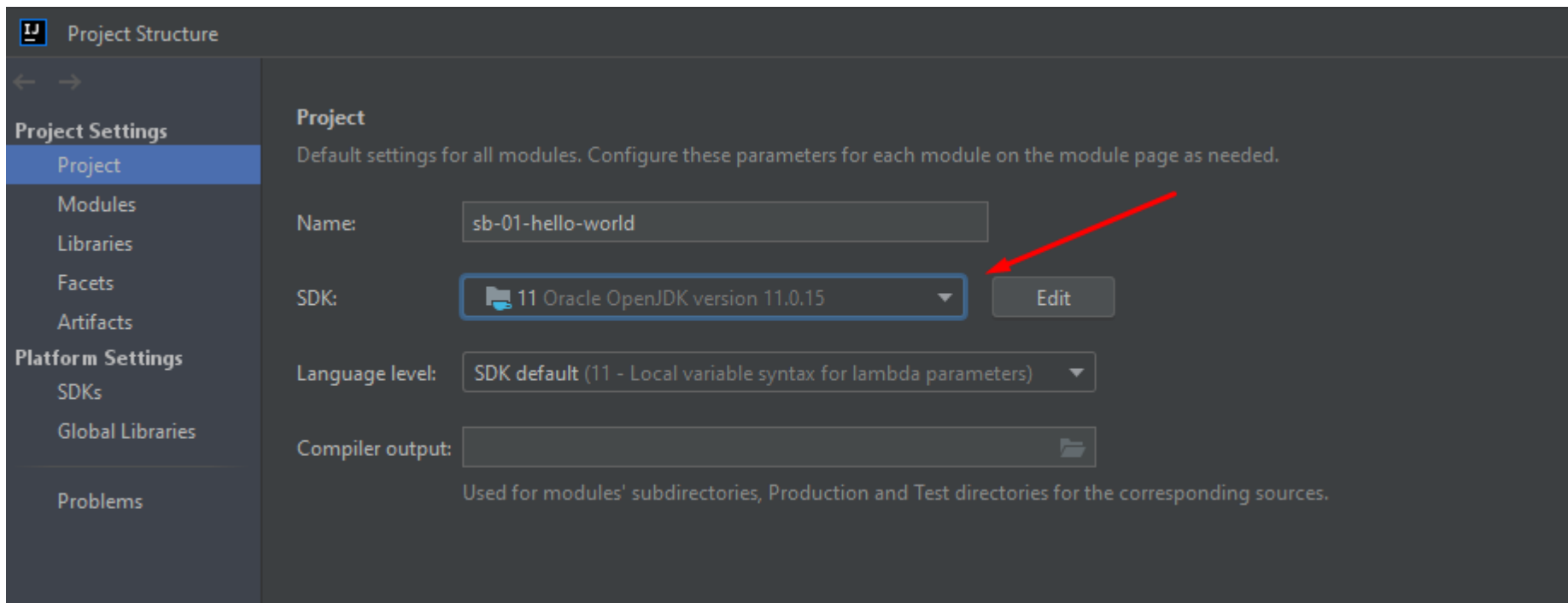
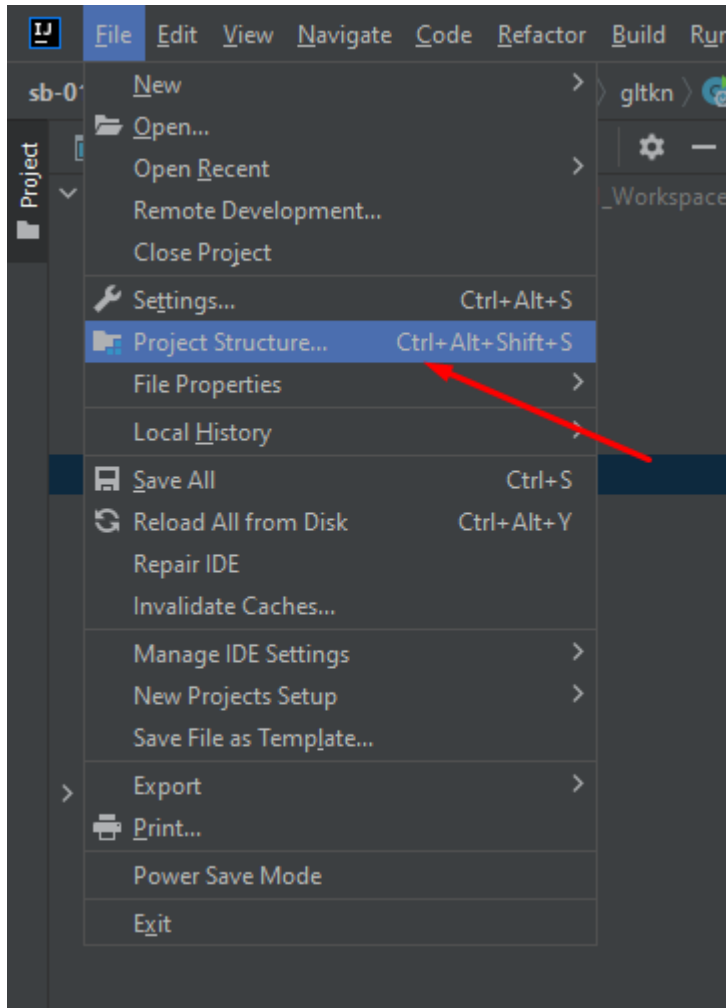
EXPLORE CTRL + SPACE

SHARE...

Oluşturulan projeyi intellej idea ile açıyoruz.



SDK olarak JDK-11'i seçelim.



Pom.xml dosyası ise aşağıdaki gibi gelmiştir.

```
HelloWorldApplication.java × pom.xml (sb-01-hello-world) ×
1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
4      <modelVersion>4.0.0</modelVersion>
5      <parent>
6          <groupId>org.springframework.boot</groupId>
7          <artifactId>spring-boot-starter-parent</artifactId>
8          <version>2.7.0</version>
9          <relativePath/> <!-- lookup parent from repository -->
10     </parent>
11
12     <groupId>com.sb.gltkn</groupId>
13     <artifactId>sb-01-hello-world</artifactId>
14     <version>0.0.1-SNAPSHOT</version>
15     <name>hello-world</name>
16     <description>Hello World project for Spring Boot</description>
17
18     <properties>
19         <java.version>11</java.version>
20     </properties>
21     <dependencies>
22         <dependency>
23             <groupId>org.springframework.boot</groupId>
24             <artifactId>spring-boot-starter-web</artifactId>
25         </dependency>
26
27         <dependency>
28             <groupId>org.springframework.boot</groupId>
29             <artifactId>spring-boot-starter-test</artifactId>
30             <scope>test</scope>
31         </dependency>
32     </dependencies>
33
34     <build>
```

```
33
34     <build>
35         <plugins>
36             <plugin>
37                 <groupId>org.springframework.boot</groupId>
38                 <artifactId>spring-boot-maven-plugin</artifactId>
39             </plugin>
40         </plugins>
41     </build>
42
43 </project>
```

The screenshot displays an IDE interface with a project explorer on the left and a code editor on the right.

Project Explorer (Left):

- Project: sb-01-hello-world (C:\Works\PROJECTS\001_Workspace)
- Directories:
 - .idea
 - .mvn
 - src
 - main
 - java
 - com.sb.gltkn
 - HelloAPI (selected)
 - HelloWorldApplication
 - resources
 - test
- Files:
 - .gitignore
 - HELP.md
 - mvnw
 - mvnw.cmd
 - pom.xml
- External Libraries
- Scratches and Consoles

Code Editor (Right):

File: HelloAPI.java

```
1 package com.sb.gltkn;  
2  
3 import org.springframework.web.bind.annotation.GetMapping;  
4 import org.springframework.web.bind.annotation.RequestMapping;  
5 import org.springframework.web.bind.annotation.RestController;  
6  
7 @RestController  
8 @RequestMapping("/api")  
9 public class HelloAPI {  
10  
11     @GetMapping  
12     public String hello() {  
13         return "Merhaba!!!";  
14     }  
15 }  
16
```

```

Run: HelloWorldApplication x
Console Actuator
"C:\Program Files\Java\jdk-11.0.15\bin\java.exe" ...

  ____  _
 / ___|| | | |
| |___| |_| |
 \___|__|__|

:: Spring Boot ::
          (v2.7.0)

2022-06-06 21:44:06.715 INFO 10440 --- [main] com.sb.gltkn.HelloWorldApplication : Starting HelloWorldApplication using Java 11.0.15 on DESKTOP-DN9PH1A with PID 10440 (
2022-06-06 21:44:06.715 INFO 10440 --- [main] com.sb.gltkn.HelloWorldApplication : No active profile set, falling back to 1 default profile: "default"
2022-06-06 21:44:07.858 INFO 10440 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-06-06 21:44:07.872 INFO 10440 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-06-06 21:44:07.873 INFO 10440 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.63]
2022-06-06 21:44:08.017 INFO 10440 --- [main] o.a.c.c.c.[Tomcat].[/localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-06-06 21:44:08.018 INFO 10440 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1221 ms
2022-06-06 21:44:08.452 INFO 10440 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2022-06-06 21:44:08.466 INFO 10440 --- [main] com.sb.gltkn.HelloWorldApplication : Started HelloWorldApplication in 2.373 seconds (JVM running for 3.971)

```

