Aida Magou DIOP

M1 GLSI

Développement d'applications Java

Lab_1 : Premiers pas avec Springboot CLI

```
LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0
$ sdk install java 17.0.9-tem

Downloading: java 17.0.9-tem

In progress...

#####                                                                    8.0%
```

```
LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0
$ spring init --dependencies=web,devtools --type=gradle-project
Using service at https://start.spring.io
Content saved to 'demo.zip'

LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0
$ unzip demo.zip -d Sb-app-00
Archive:  demo.zip
  inflating: Sb-app-00/build.gradle
   creating: Sb-app-00/src/
   creating: Sb-app-00/src/test/
   creating: Sb-app-00/src/test/java/
   creating: Sb-app-00/src/test/java/com/
   creating: Sb-app-00/src/test/java/com/example/
   creating: Sb-app-00/src/test/java/com/example/demo/
  inflating: Sb-app-00/src/test/java/com/example/demo/DemoApplicationTests.java
   creating: Sb-app-00/src/main/
   creating: Sb-app-00/src/main/resources/
  inflating: Sb-app-00/src/main/resources/application.properties
   creating: Sb-app-00/src/main/resources/templates/
   creating: Sb-app-00/src/main/resources/static/
   creating: Sb-app-00/src/main/java/
   creating: Sb-app-00/src/main/java/com/
   creating: Sb-app-00/src/main/java/com/example/
   creating: Sb-app-00/src/main/java/com/example/demo/
  inflating: Sb-app-00/src/main/java/com/example/demo/DemoApplication.java
   creating: Sb-app-00/gradle/
   creating: Sb-app-00/gradle/wrapper/
  inflating: Sb-app-00/gradle/wrapper/gradle-wrapper.jar
  inflating: Sb-app-00/gradle/wrapper/gradle-wrapper.properties
  inflating: Sb-app-00/settings.gradle
```

```
LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0
$ cd Sb-app-00/

LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0/Sb-app-00
$ ./gradlew

> Task :help

Welcome to Gradle 8.13.

To run a build, run gradlew <task> ...

To see a list of available tasks, run gradlew tasks

To see more detail about a task, run gradlew help --task <task>

To see a list of command-line options, run gradlew --help

For more detail on using Gradle, see https://docs.gradle.org/8.13/userguide/command_line_interfa
ce.html

For troubleshooting, visit https://help.gradle.org

BUILD SUCCESSFUL in 3s
1 actionable task: 1 executed

LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0/Sb-app-00
```

```
LENOVO@DESKTOP-8N3U8ER MINGW64 ~/Desktop/IPDL_Toure/projet_springboot/Sb-app-0/Sb-app-00
$  ./gradlew bootRun

> Task :bootRun

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/

 :: Spring Boot ::                (v3.4.5)

2025-05-19T18:50:21.135Z  INFO 15436 --- [demo] [  restartedMain] com.example.demo.DemoApplicati
on            : Starting DemoApplication using Java 17.0.9 with PID 15436 (C:\Users\LENOVO\Desktop\
IPDL_Toure\projet_springboot\Sb-app-0\Sb-app-00\build\classes\java\main started by LENOVO in C:\
Users\LENOVO\Desktop\IPDL_Toure\projet_springboot\Sb-app-0\Sb-app-00)
2025-05-19T18:50:21.143Z  INFO 15436 --- [demo] [  restartedMain] com.example.demo.DemoApplicati
on            : No active profile set, falling back to 1 default profile: "default"
2025-05-19T18:50:21.292Z  INFO 15436 --- [demo] [  restartedMain] .e.DevToolsPropertyDefaultsPos
tProcessor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false'
to disable
2025-05-19T18:50:21.297Z  INFO 15436 --- [demo] [  restartedMain] .e.DevToolsPropertyDefaultsPos
tProcessor : For additional web related logging consider setting the 'logging.level.web' propert
y to 'DEBUG'
2025-05-19T18:50:23.134Z  INFO 15436 --- [demo] [  restartedMain] o.s.b.w.embedded.tomcat.Tomcat
WebServer  : Tomcat initialized with port 8080 (http)
2025-05-19T18:50:23.162Z  INFO 15436 --- [demo] [  restartedMain] o.apache.catalina.core.Standar
```

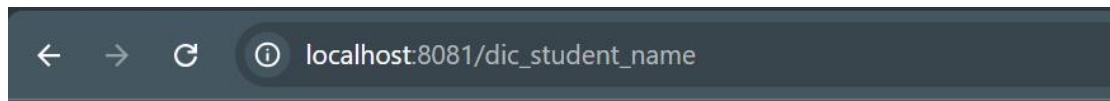lication.java   🐘 build.gradle   ☰ application.properties ✕

src > main > resources > ☰ application.properties

```
1    spring.application.name=car_app
2    logging.level.root=DEBUG
3    server.port=8081
4
```

src > main > java > esp > dgi > ucad > J SbCarApplication.java > ...

```java
1    package esp.dgi.ucad;
2
3    import org.slf4j.Logger;
4    import org.slf4j.LoggerFactory;
5    import org.springframework.beans.factory.annotation.Value;
6    import org.springframework.boot.SpringApplication;
7    import org.springframework.boot.autoconfigure.SpringBootApplicati
8    import org.springframework.web.bind.annotation.GetMapping;
9    import org.springframework.web.bind.annotation.RequestMapping;
10   import org.springframework.web.bind.annotation.RestController;
11
12   @SpringBootApplication
13   public class SbCarApplication {
14
15       private static final Logger logger = LoggerFactory.getLogger(
16
         Run main | Debug main | Run | Debug
17       public static void main(String[] args) {
18           SpringApplication.run(primarySource:SbCarApplication.clas
19           logger.info(msg:"Car App started ! Goto http://localhost:
20       }
```

src > main > java > esp > dgi > ucad > J SbCarApplication.java > Language Support for Java(TM) by Red Hat > 🐝 SbCarApplicati

```java
13   public class SbCarApplication {
14
15       private static final Logger logger = LoggerFactory.getLogger(clazz:SbCarApplication.clas
16
         Run main | Debug main | Run | Debug
17       public static void main(String[] args) {
18           SpringApplication.run(primarySource:SbCarApplication.class, args);
19           logger.info(msg:"Car App started ! Goto http://localhost:8081/dic_student_name");
20       }
21
22       @RestController
23       @RequestMapping("/dic_student_name")
24       public static class SbCarController {
25           @Value("${fullname:Aida_Magou}")
26           private String fullname;
27
28           @GetMapping
29           public String getFullname() {
30               return "Work done by " + this.fullname + " !";
31           }
32       }
33   }
```

Testons sur le navigateur :

Work done by Aida_Magou !

FIN!