



Project

- ☐ Gradle - Groovy
- ☐ Gradle - Kotlin
- ☒ Maven

Language

- ☒ Java
- ☐ Kotlin
- ☐ Groovy

Spring Boot

- ☐ 3.0.2 (SNAPSHOT)
- ☒ 3.0.1
- ☐ 2.7.8 (SNAPSHOT)
- ☐ 2.7.7

Project Metadata

Group

Artifact

Dependencies

ADD DEPENDENCIES... ⌘ + B

MySQL Driver

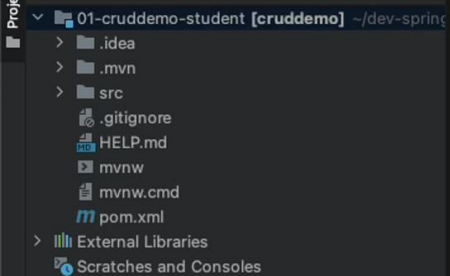
SQL

MySQL JDBC and R2DBC driver.

Spring Data JPA

SQL

Persist data in SQL stores with Java Persistence API using Spring Data and Hibernate.



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Command Line App

From the Spring Boot Framework

```
8 @SpringBootApplication
9 public class CruddemoApplication {
10
11     no usages
12     public static void main(String[] args) {
13
14         no usages
15         @Bean
16         public CommandLineRunner commandLineRunner(String[] args) {
17             |
18         }
19     }
```

Executed after the Spring Beans have been loaded

```
package com.luv2code.crulldemo;
```

```
import ...
```

```
1 usage
```

```
@SpringBootApplication
```

```
public class CrulldemoApplication {
```

```
no usages
```

```
public static void main(String[] args) {  
    SpringApplication.run(CrulldemoApplication.class, args);  
}
```

```
no usages
```

```
@Bean
```

```
public CommandLineRunner commandLineRunner(String[] args) {
```

```
    return runner -> {  
        System.out.println("Hello World");  
    };  
}
```

Java
Lambda expression

package com.luv2code.cruddemo;

3 1

import ...

1 usage

@SpringBootApplication

public class CruddemoApplication {

no usages

public static void main(String[] args) { SpringApplication.run(CruddemoApplication.class, args); }

no usages

@Bean

public CommandLineRunner commandLineRunner(String[] args) {

return runner -> {

System.out.println("Hello World");

};

}

Executed after the
Spring Beans have been loaded

```
package com.luv2code.cruddemo;
```

```
import ...
```

1 usage

```
@SpringBootApplication
```

```
public class CruddemoApplication {
```

Executed after the
Spring Beans have been loaded

no usages

```
public static void main(String[] args) { SpringApplication.run(CruddemoApplication.class, args); }
```

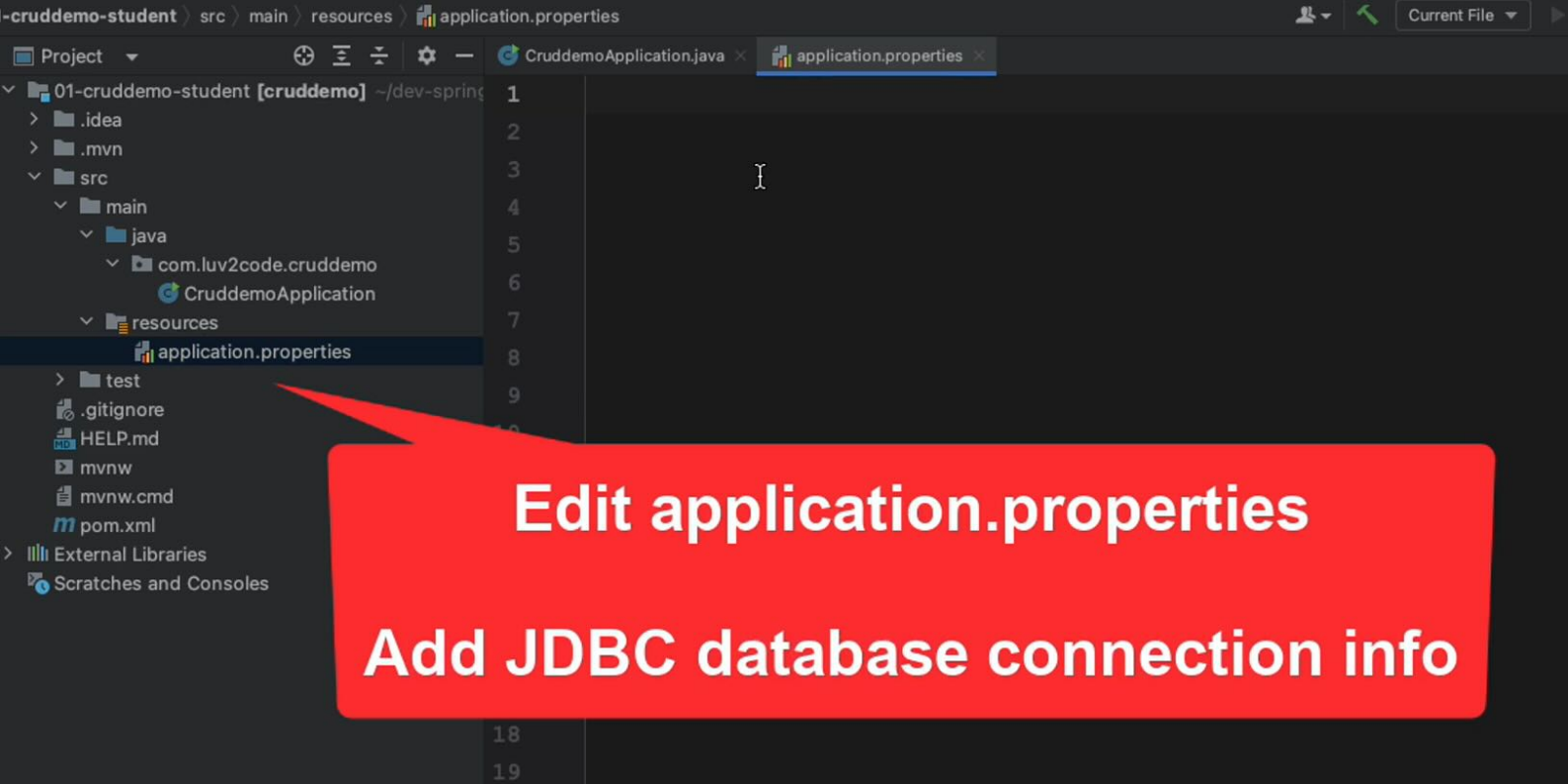
no usages

```
@Bean
```

```
public CommandLineRunner commandLineRunner(String[] args) {
```

```
    return runner -> {  
        System.out.println("Hello World");  
    };  
}
```

Your custom code









Edit application.properties

Add JDBC database connection info

```
spring.datasource.url=jdbc:mysql://localhost:3306/student_tracker
```

SCHEMAS



- ✓  student_tracker
 - ✓  Tables
 - >  student
 -  Views
 -  Stored Procedures
 -  Functions

Project



CruddemoApplication.java



application.properties

01-cruddemo-student [cruddemo] ~/dev-spring

> .idea

> .mvn

src

main

java

com.luv2code.cruddemo

CruddemoApplication

resources

application.properties

> test

.gitignore

HELP.md

mvnw

mvnw.cmd

pom.xml

> External Libraries

Scratches and Consoles

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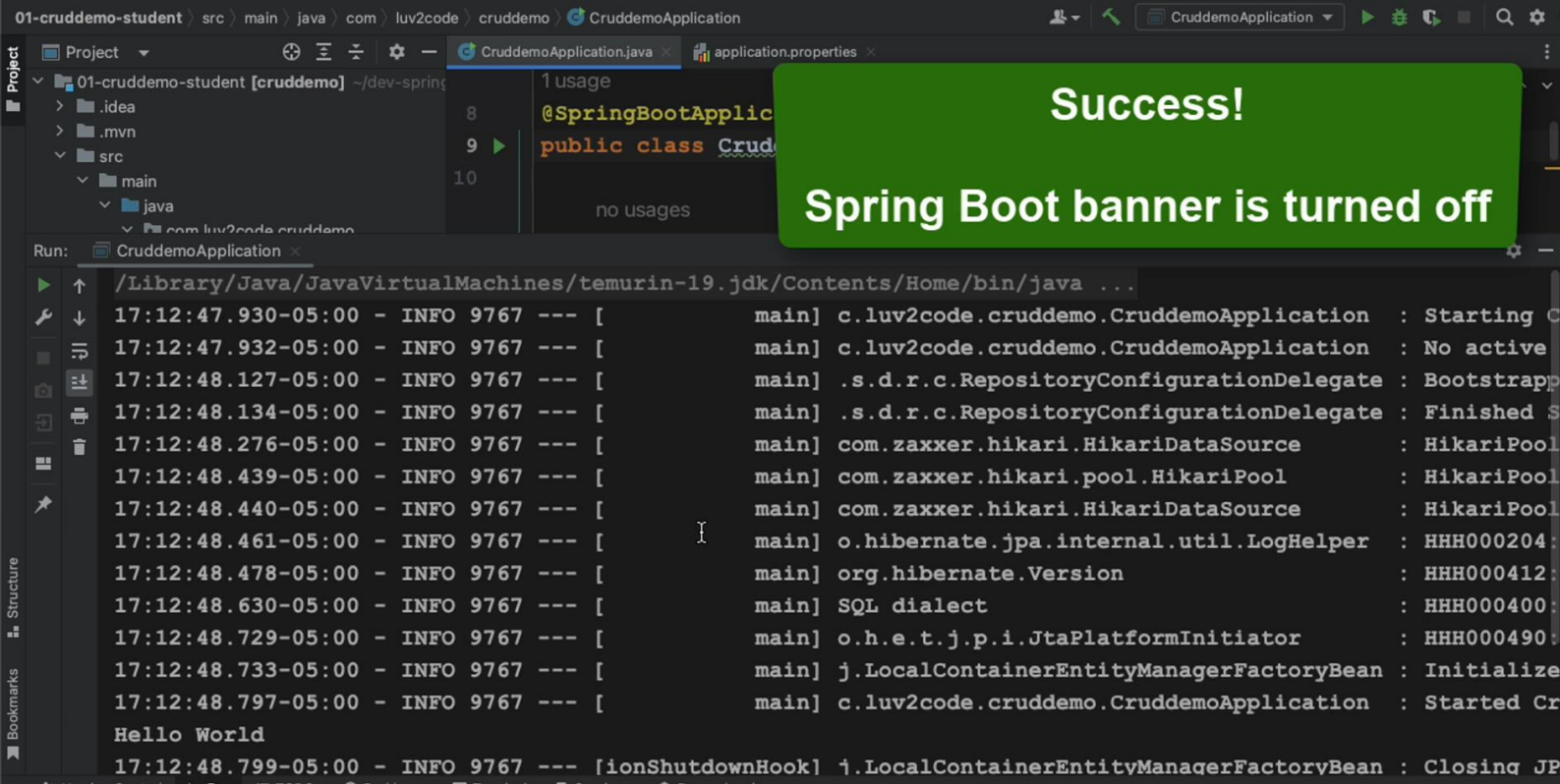
15

`spring.datasource.url=jdbc:mysql://localhost:3306/student_tracker``spring.datasource.username=springstudent``spring.datasource.password=springstudent`

Let's turn off the Spring Boot banner

```
spring.datasource.url=jdbc:mysql://localhost:3306/student_tracker
spring.datasource.username=springstudent
spring.datasource.password=springstudent

# Turn off the Spring Boot banner
spring.main.banner-mode=off
```



Success!

Spring Boot banner is turned off

```
/Library/Java/JavaVirtualMachines/temurin-19.jdk/Contents/Home/bin/java ...
17:12:47.930-05:00 - INFO 9767 --- [main] c.luv2code.cruddemo.CruddemoApplication : Starting C
17:12:47.932-05:00 - INFO 9767 --- [main] c.luv2code.cruddemo.CruddemoApplication : No active
17:12:48.127-05:00 - INFO 9767 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapp
17:12:48.134-05:00 - INFO 9767 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Finished S
17:12:48.276-05:00 - INFO 9767 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool
17:12:48.439-05:00 - INFO 9767 --- [main] com.zaxxer.hikari.pool.HikariPool : HikariPool
17:12:48.440-05:00 - INFO 9767 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool
17:12:48.461-05:00 - INFO 9767 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204:
17:12:48.478-05:00 - INFO 9767 --- [main] org.hibernate.Version : HHH000412:
17:12:48.630-05:00 - INFO 9767 --- [main] SQL dialect : HHH000400:
17:12:48.729-05:00 - INFO 9767 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490:
17:12:48.733-05:00 - INFO 9767 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialize
17:12:48.797-05:00 - INFO 9767 --- [main] c.luv2code.cruddemo.CruddemoApplication : Started Cr
Hello World
17:12:48.799-05:00 - INFO 9767 --- [ionShutdownHook] j.LocalContainerEntityvManagerFactoryBean : Closing JP
```

Reduce the logging level

Set level to: warn

This will only show warning and errors

demo-student - application.properties



application.properties

```
datasource.url=jdbc:mysql://localhost:3306/student_tracker
datasource.username=springstudent
datasource.password=springstudent
```

```
# Turn off the Spring Boot banner
spring.main.banner-mode=off
```

```
# Reduce logging level. Set logging level to warn
logging.level.root=warn
```

- main
 - java
 - com.luv2code.cruddemo
 - CruddemoApplication
 - resources
 - application.properties
 - test
 - target
 - .gitignore
 - HELP.md
 - mvnw
 - mvnw.cmd
 - pom.xml
- External Libraries
- Scratches and Consoles



01-cruddemo-student [cruddemo] ~/dev-spring

.idea

.mvn

src

main

java

com.luv2code.cruddemo

CruddemoApplication

/Library/Java/JavaVirtualMachines/temurin-19.jdk/Contents/Home/bin/java ...

Hello World

Process finished with exit code 0

8

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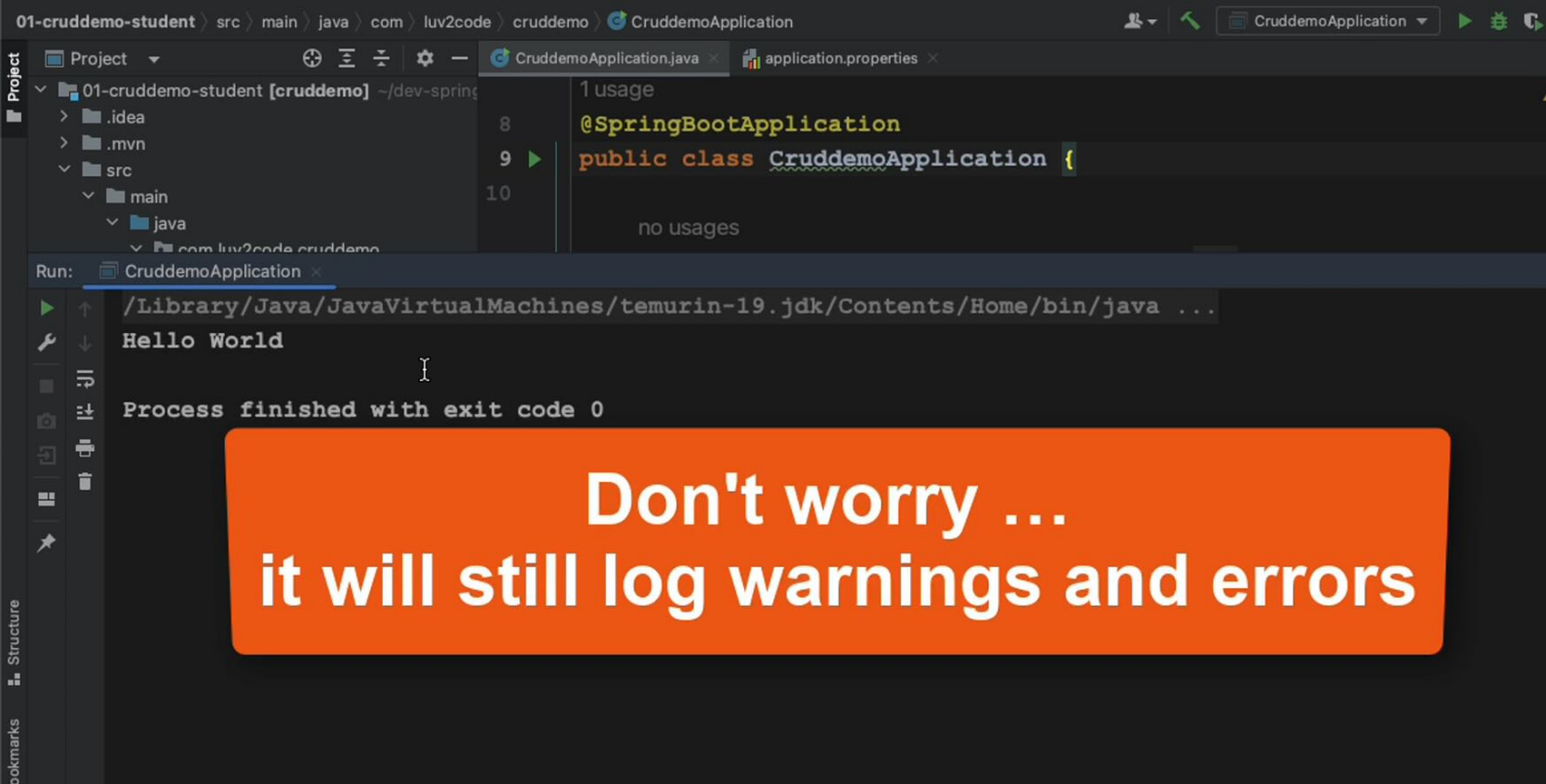
10

1 usage

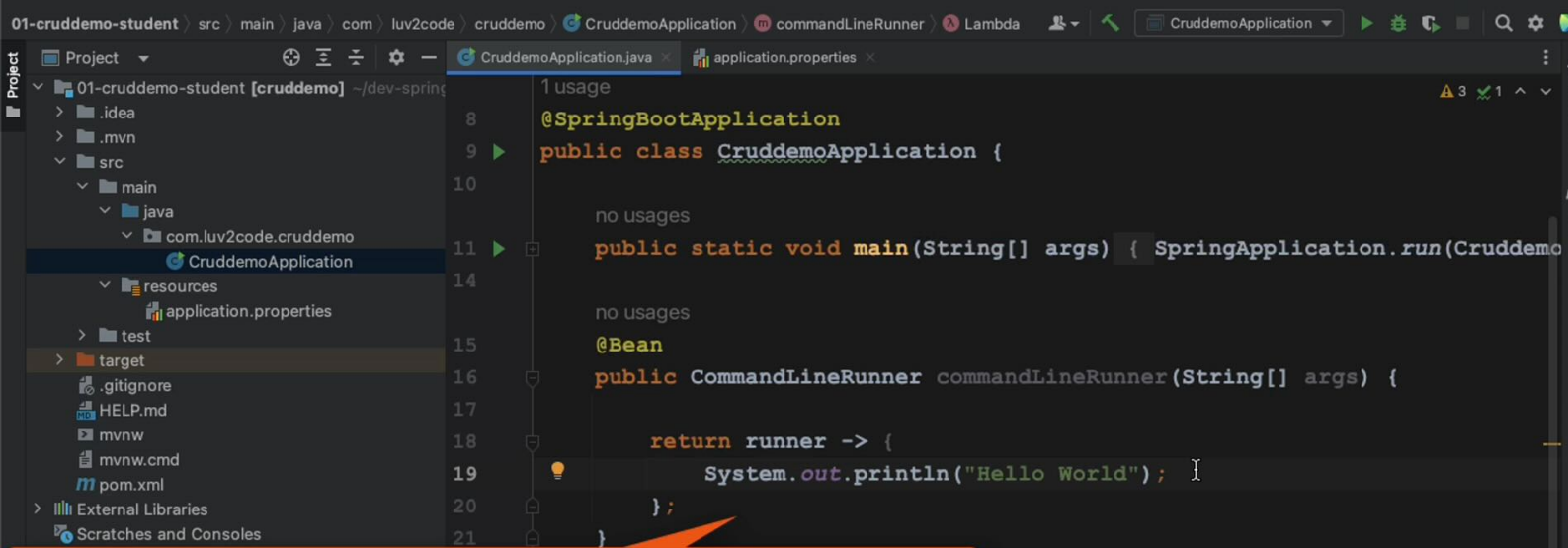
@SpringBootApplication

public class CruddemoApplication {

no usages



**Don't worry ...
it will still log warnings and errors**



We are all set up now ...

We can start adding our custom code