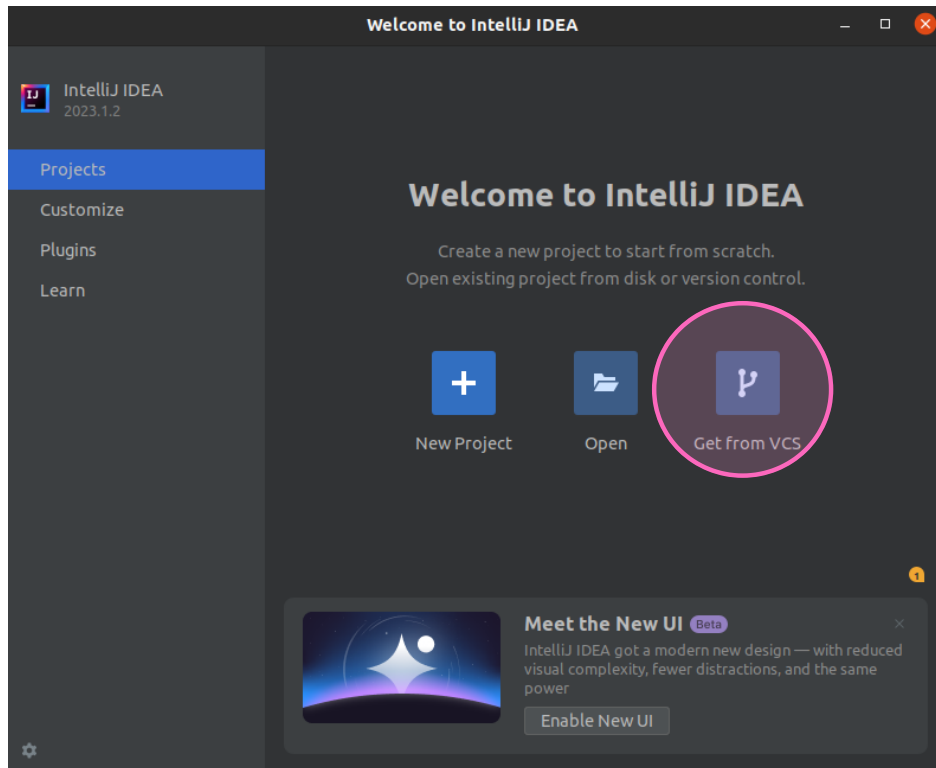


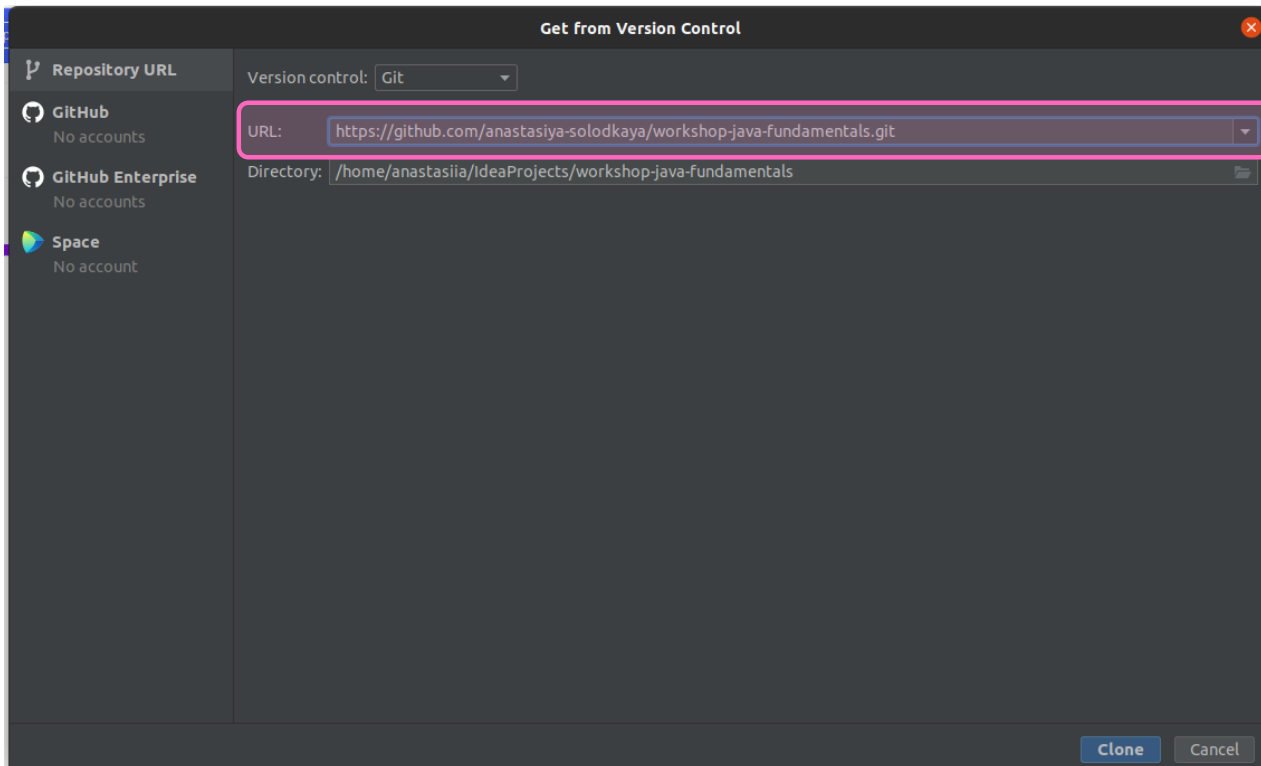
# Create Project - Step #1

- Open IntelliJ IDEA
- Click **Get from VCS**



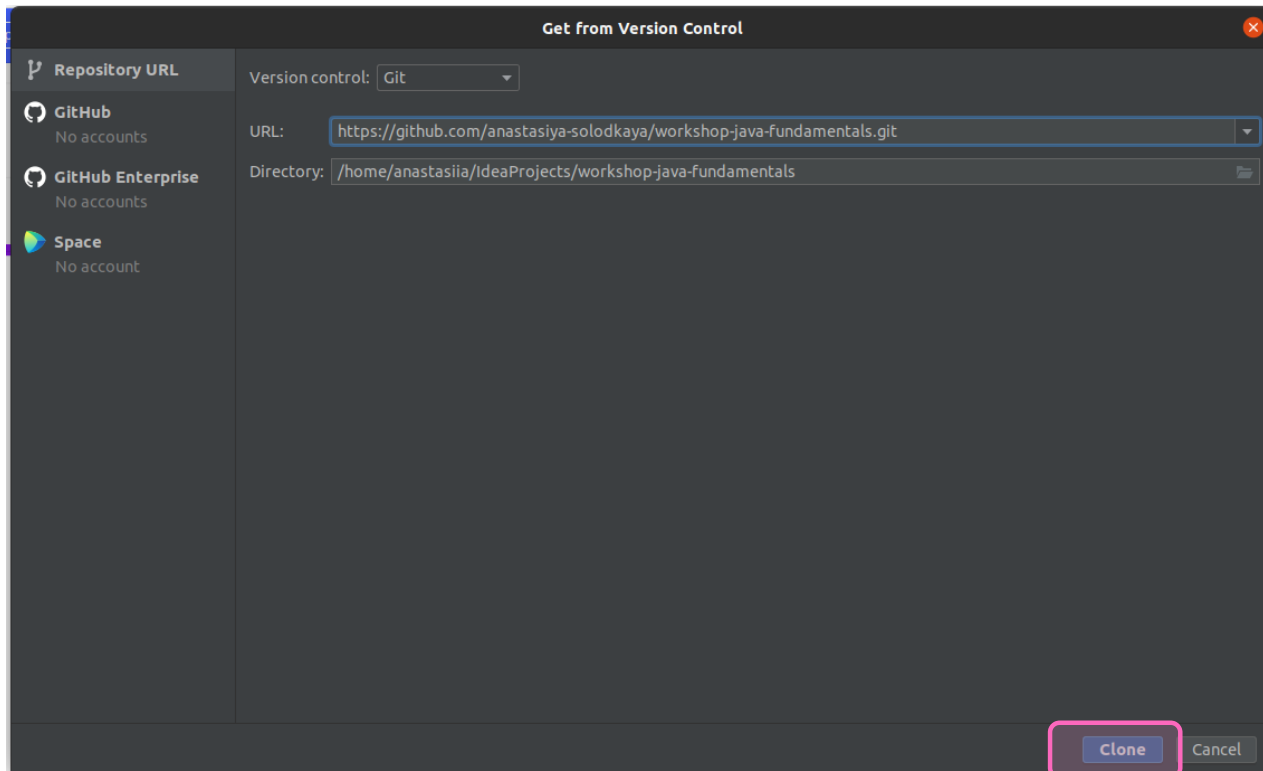
## Create Project - Step #2

- Insert <https://github.com/anastasiya-solodkaya/workshop-java-fundamentals.git> into **URL**



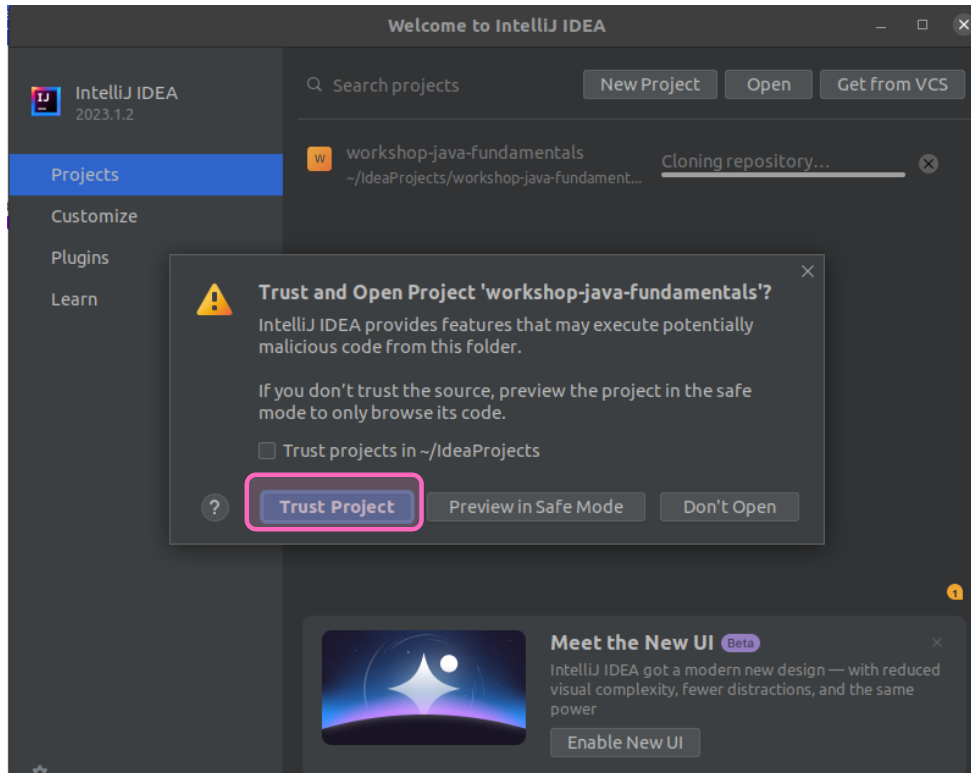
# Create Project - Step #3

- Click **Clone**



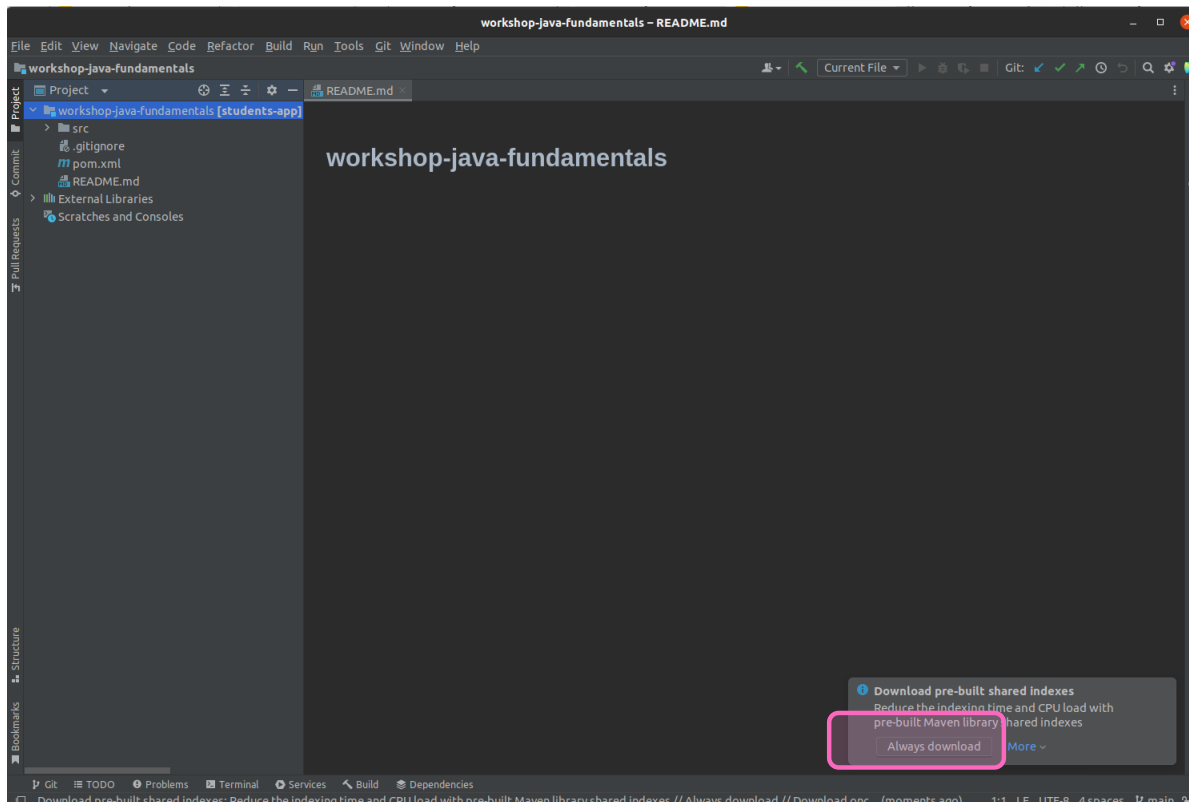
# Create Project - Step #4

- If IDEA is asking you if you are **Trusting** project, click **Trust Project**.



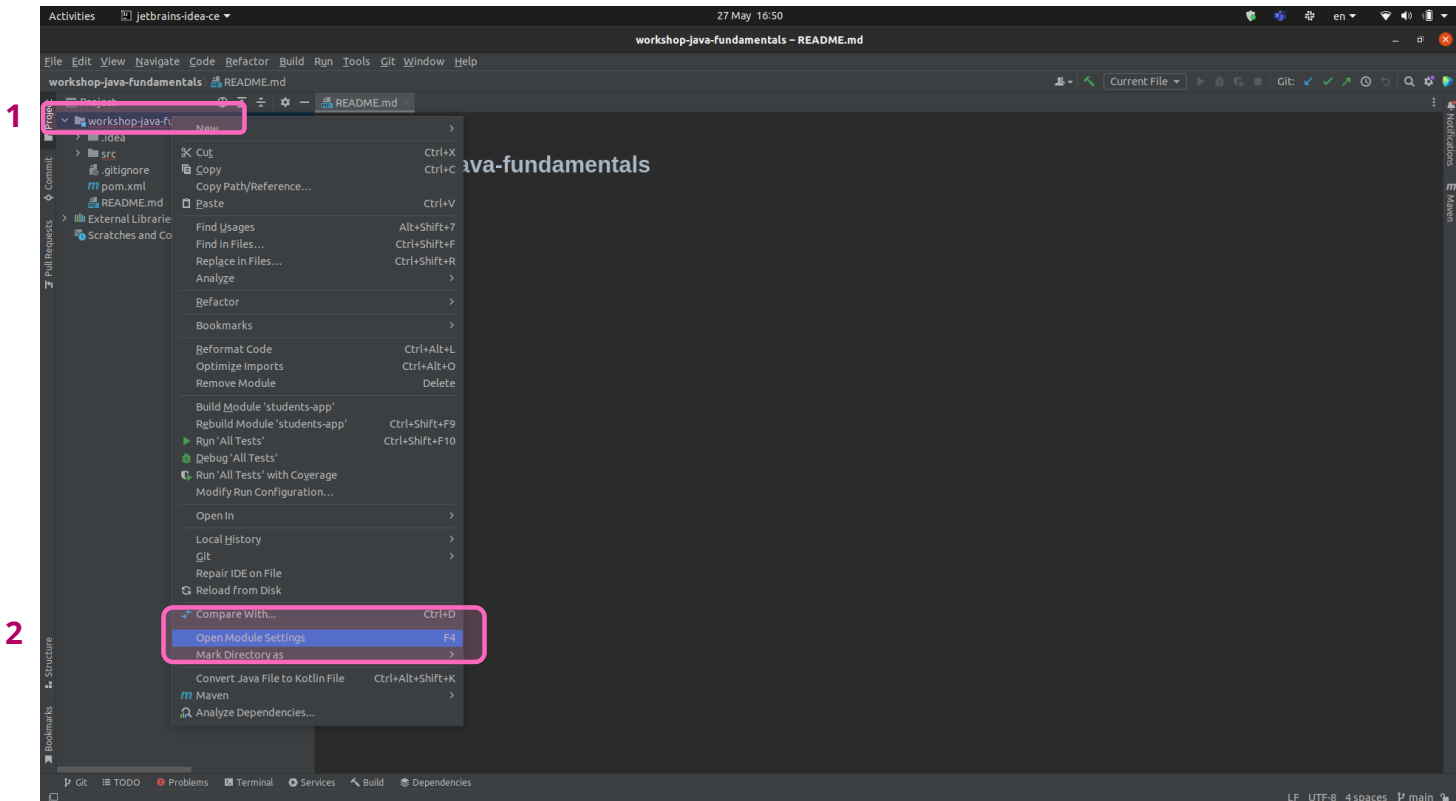
# Create Project - Step #5

- **Agree** on always downloading indices.



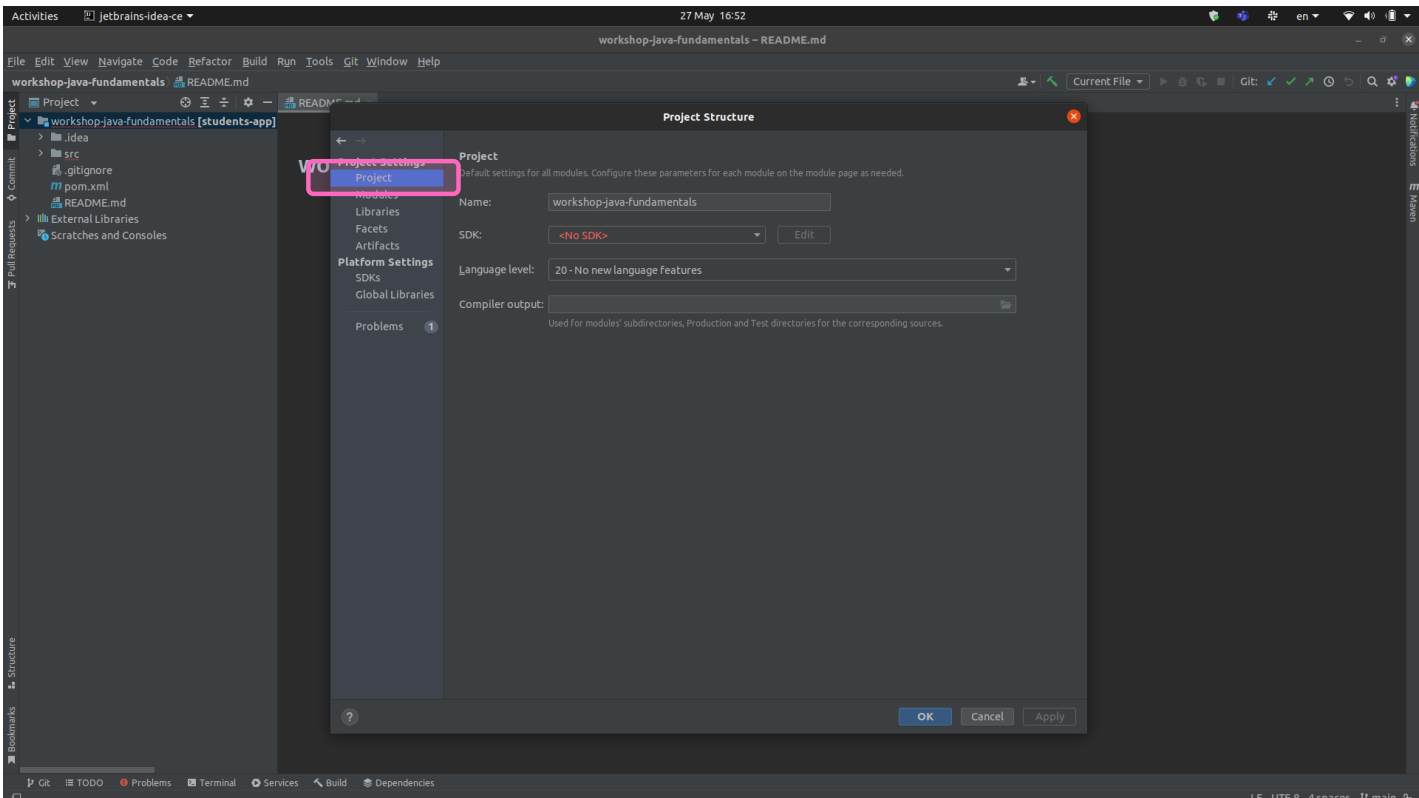
# Setup Project - Step #6

- 1 - **Right Click** on main project folder
- 2 - Select 'Open Module Settings'



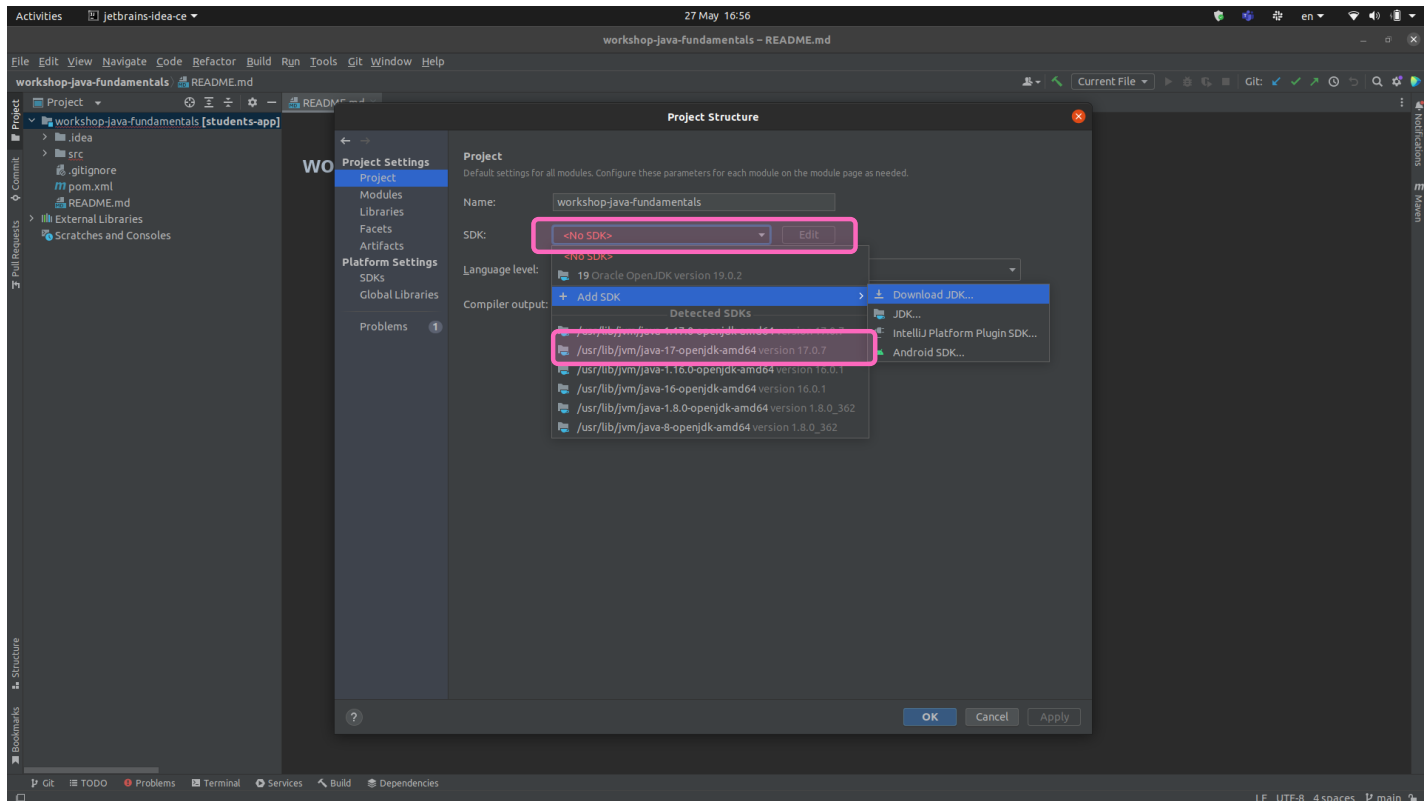
# Setup Project - Step #7

- Navigate to **Project** section



# Setup Project - Step #8

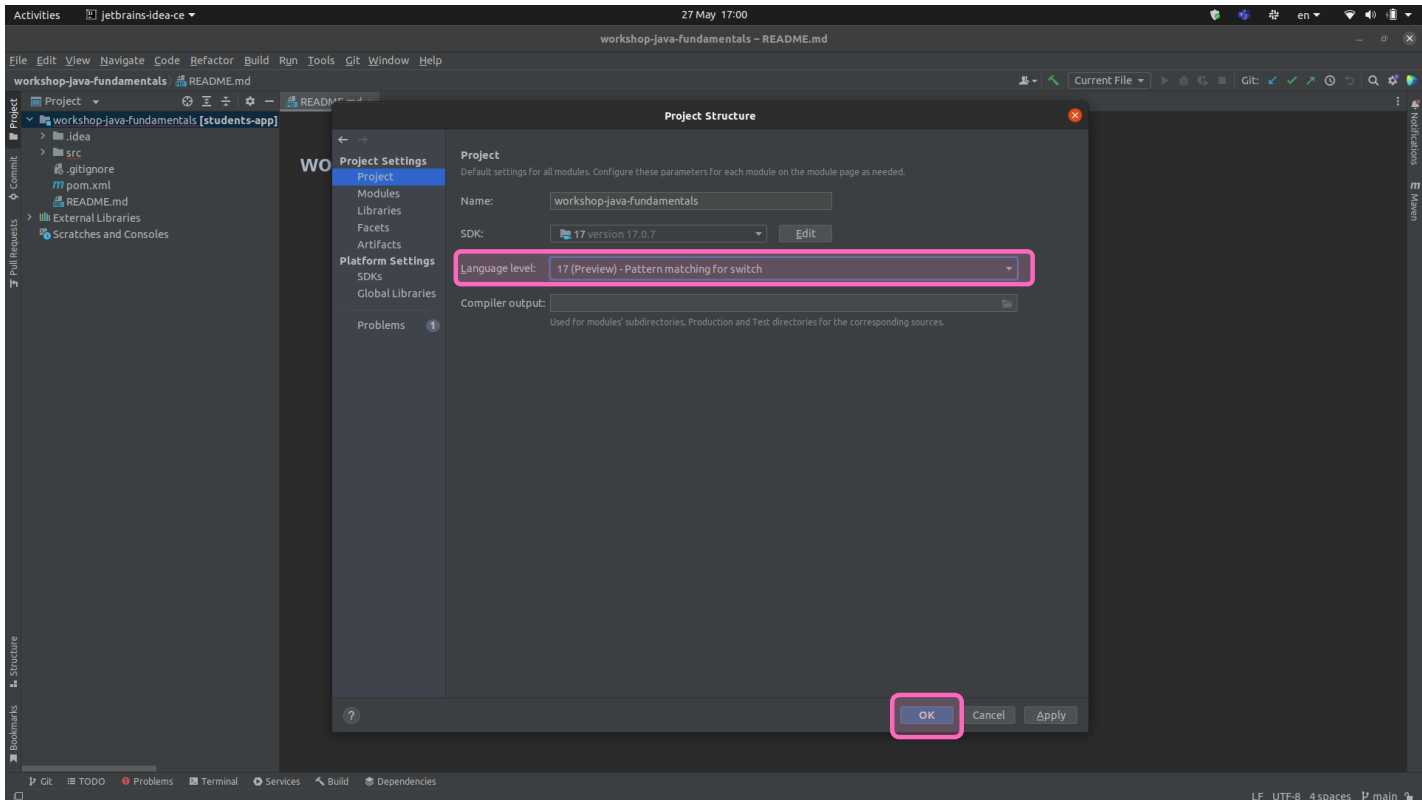
- Open **SDK Dropdown**
- Select '**JDK 17**'. If you do not have JDK 17 installed, you need to download and install it.





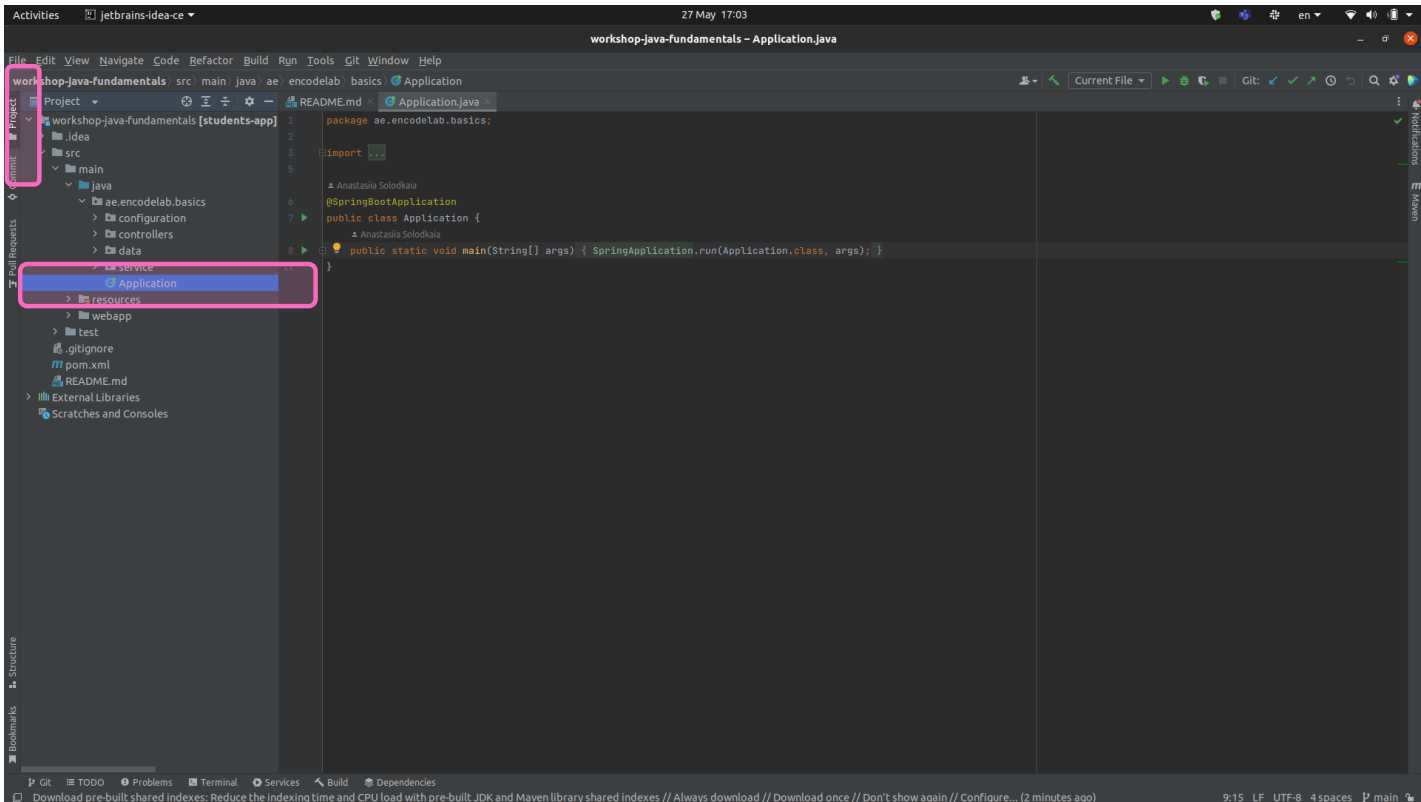
# Setup Project - Step #9

- Select **Language Level 17**
- Click **OK**



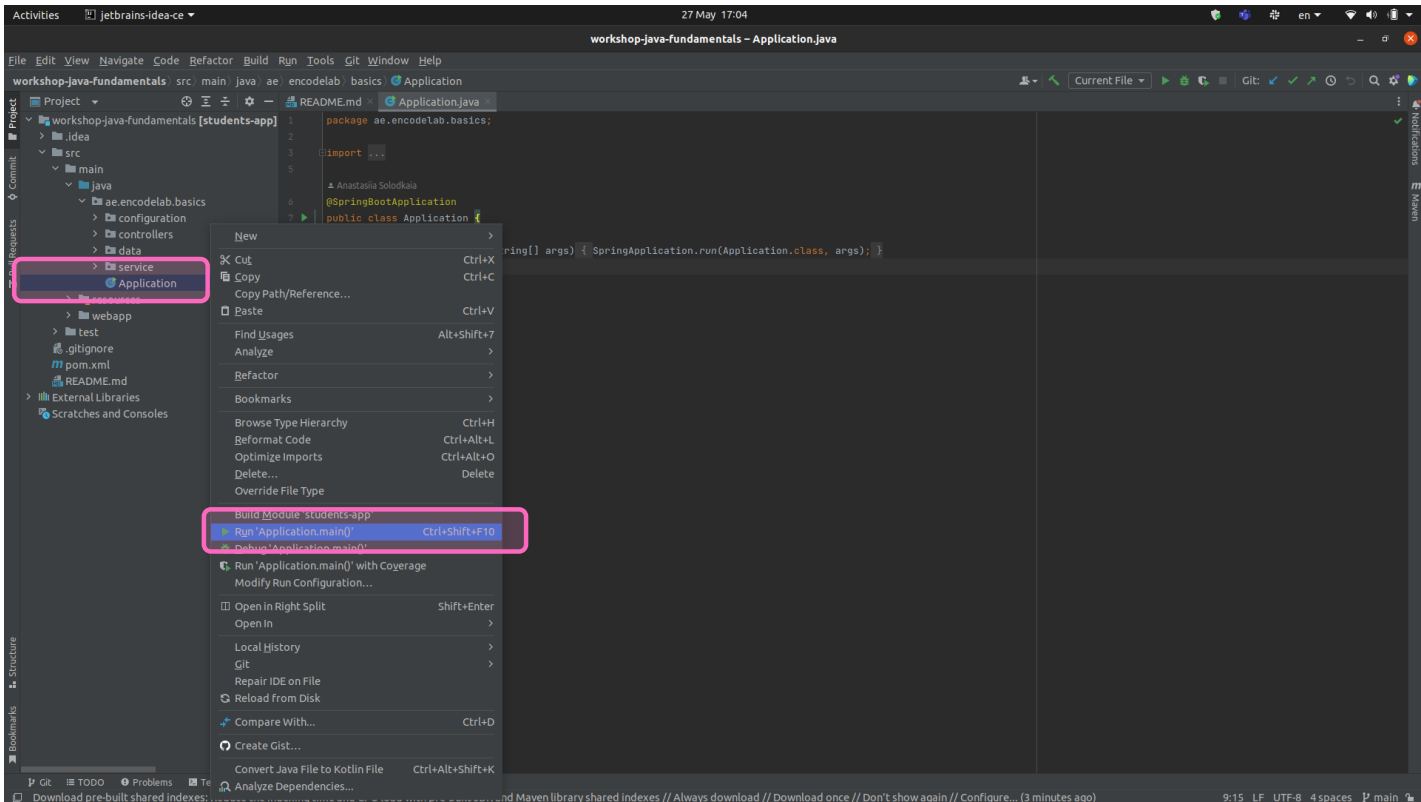
# Run Project - Step #10

- Open directories in **Project** view: **src** -> **main** -> **java** -> **ae.encodeLab.basics**



# Run Project - Step #11

- Right click on "**Application**" and choose "**Run Application.main()**"



# Run Project - Step #12

- Observe application have started

The screenshot shows the IntelliJ IDEA IDE with the 'pom.xml' file open in the editor. The file is for a project named 'students-app' and is a Maven project. The 'pom.xml' content is as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>ae.encode.lab.basics</groupId>
  <artifactId>students-app</artifactId>
  <version>1.0-SNAPSHOT</version>
  <properties>
    <maven.compiler.source>17</maven.compiler.source>
    <maven.compiler.target>17</maven.compiler.target>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  </properties>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>3.0.4</version>
    <relativePath />
  </parent>
</project>
```

The Run console at the bottom shows the output of the application startup:

```
Run: Application
2023-05-27T17:08:12.702+04:00 INFO 217480 --- [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.5]
2023-05-27T17:08:12.759+04:00 INFO 217480 --- [main] o.a.e.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2023-05-27T17:08:12.760+04:00 INFO 217480 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: Initialization completed in 672 ms
2023-05-27T17:08:13.321+04:00 WARN 217480 --- [main] .s.s.UserDetailsServiceAutoConfiguration :

Using generated security password: 48c81a13-be0a-45ea-9757-89b2cae659c

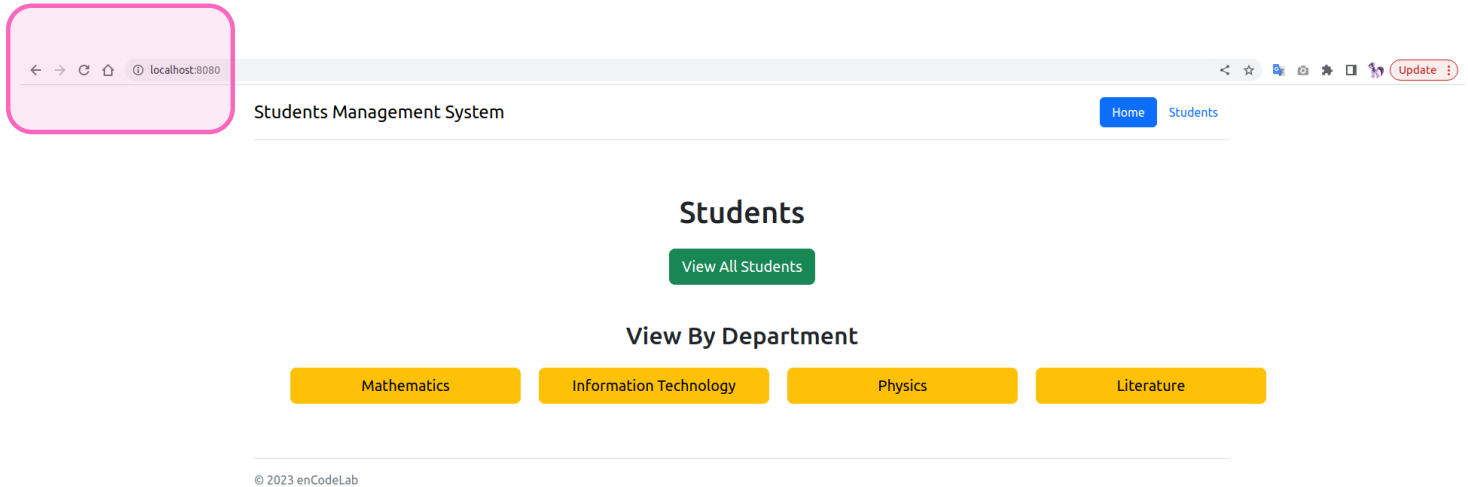
This generated password is for development use only. Your security configuration must be updated before running your application in production.

2023-05-27T17:08:13.372+04:00 INFO 217480 --- [main] o.s.s.web.DefaultSecurityFilterChain : Will secure any request with [org.springframework.security.web.session.DisableEncodeUrlFilter@4346888, org.springframework.s.b.w.embedded.tomcat.TomcatWebServer
2023-05-27T17:08:13.571+04:00 INFO 217480 --- [main] ae.encode.lab.basics.Application : Started Application in 1.999 seconds (process running for 2.201)
```

The status bar at the bottom indicates 'Build completed successfully in 2 sec, 242 ms (moments ago)'.

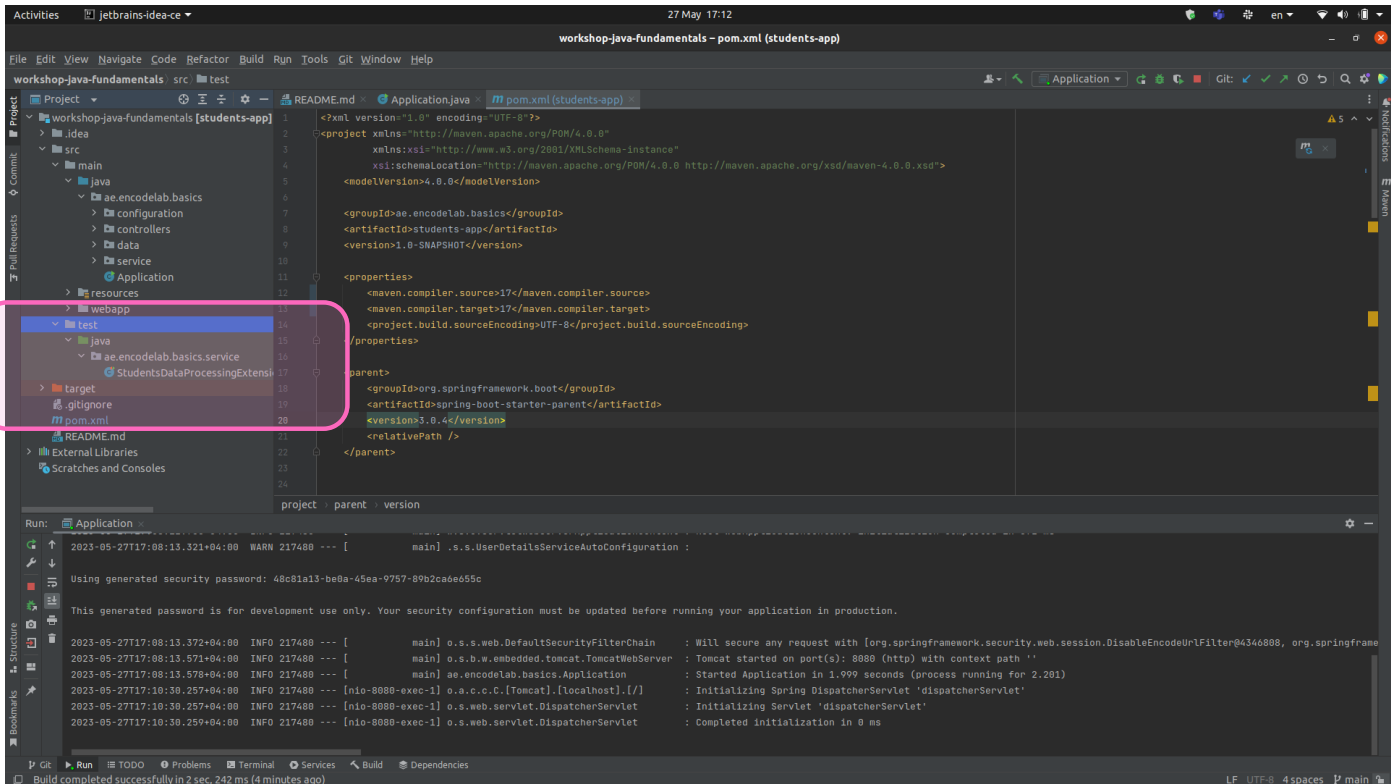
# Run Project - Step #13

- Open **Chrome** and open url <http://localhost:8080>



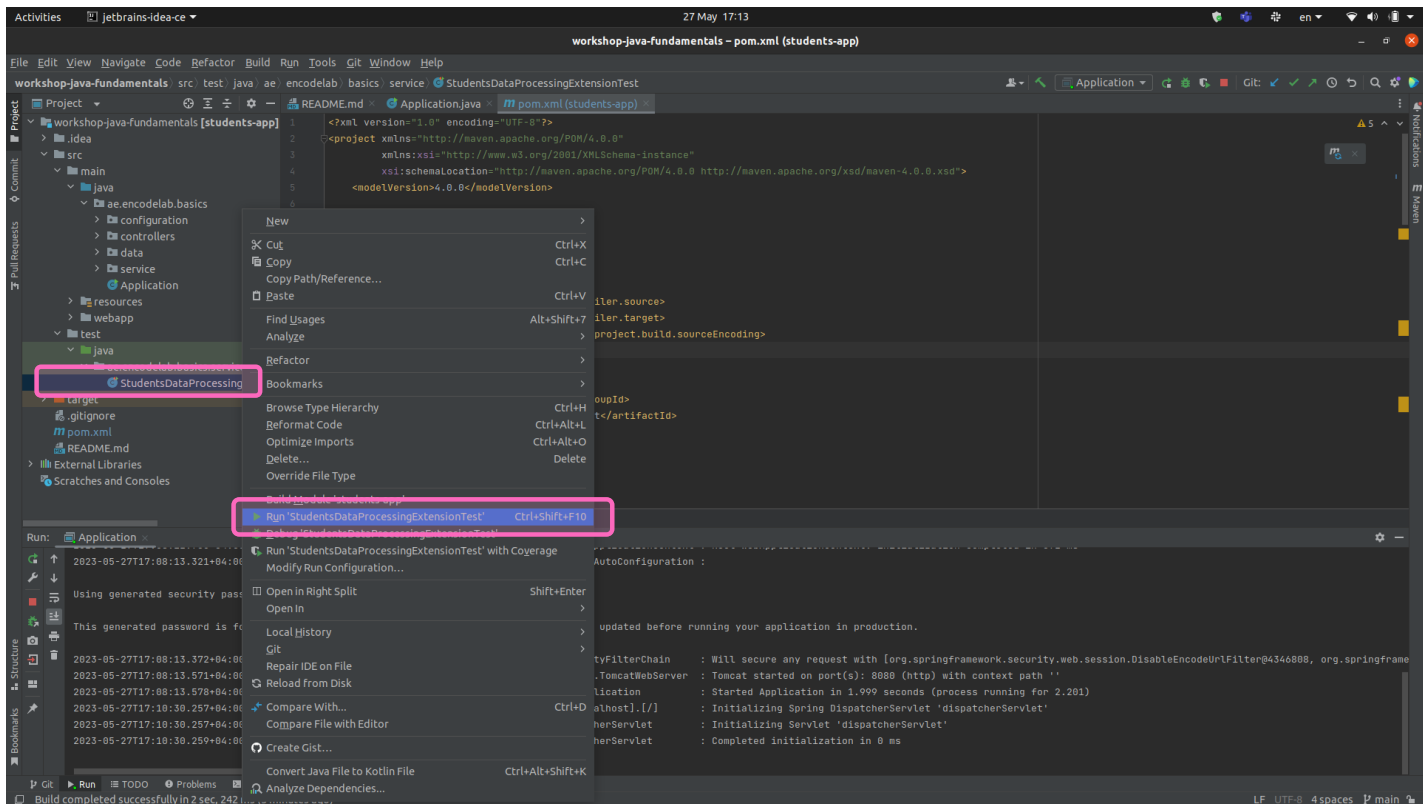
# Run Tests - Step #14

- Open folder **test** in you **Project** view



# Run Tests - Step #15

- **Right Click** on the file in folder and select "Run"



# Run Tests - Step #16

- Observe **all tests are failed**

