

Download eclipse

- 1- Download eclipse Enterprise java and web developers.

<https://www.eclipse.org/downloads/packages/release/2021-09/r>

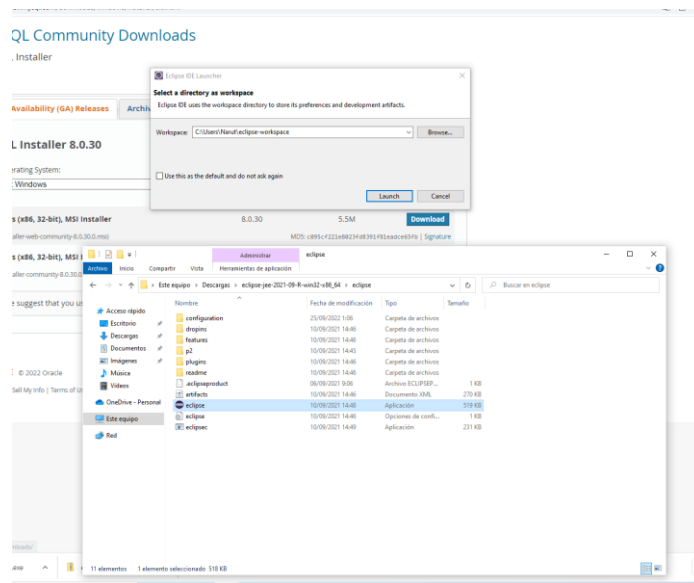
The screenshot shows the Eclipse Foundation website's download page for Eclipse IDE 2021-09 R. The page features a navigation bar with links to Projects, Working Groups, Members, and More. Below the navigation bar, there's a section titled "Try the Eclipse Installer 2021-09 R" with a "Download" button. The page also lists various Eclipse IDE packages for different user groups, including Java Developers, Enterprise Java and Web Developers, C/C++ Developers, and Eclipse Committers. Each package has a download link and a brief description. The "Eclipse IDE for Enterprise Java and Web Developers" package is highlighted with a red box, showing the download link for Windows x86_64. The page also includes a "RELATED LINKS" section with links to Compare & Combine Packages, New and Noteworthy, Install Guide, Documentation, Updating Eclipse, Forums, and Simultaneous Release. A "MORE DOWNLOADS" section lists other builds and older versions.

- 2- Unzip the zip file and open the eclipse ide

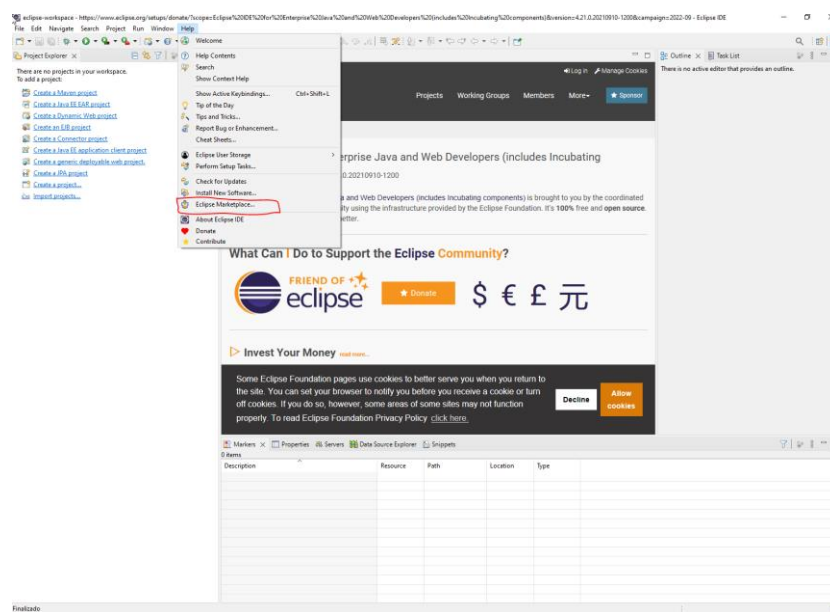
The screenshot shows a Windows File Explorer window with the address bar set to "Este equipo > Descargas > eclipse-jee-2021-09-R-win32-x86_64 > eclipse". The window displays a list of files and folders extracted from the zip file. The files include configuration, dropins, features, p2, plugins, readme, .eclipseproduct, artifacts, eclipse, eclipse, and eclipsesec. The file types are listed as "Carpeta de archivos" (Folder) for configuration, dropins, features, p2, plugins, and readme; "Archivo ECLIPSEP..." (Eclipse Product File) for .eclipseproduct; "Documento XML" (XML Document) for artifacts; "Aplicación" (Application) for eclipse; and "Opciones de confi..." (Configuration Options) for eclipse. The file sizes are listed in the "Tamaño" column.

Nombre	Fecha de modificación	Tipo	Tamaño
configuration	10/09/2021 14:46	Carpeta de archivos	
dropins	10/09/2021 14:46	Carpeta de archivos	
features	10/09/2021 14:46	Carpeta de archivos	
p2	10/09/2021 14:45	Carpeta de archivos	
plugins	10/09/2021 14:46	Carpeta de archivos	
readme	10/09/2021 14:46	Carpeta de archivos	
.eclipseproduct	06/09/2021 9:06	Archivo ECLIPSEP...	1 KB
artifacts	10/09/2021 14:46	Documento XML	270 KB
eclipse	10/09/2021 14:48	Aplicación	519 KB
eclipse	10/09/2021 14:46	Opciones de confi...	1 KB
eclipsesec	10/09/2021 14:49	Aplicación	231 KB

3- We select a path for our workspace.



4- Once eclipse is open we go to help-> eclipse Marketplace and download the “spring tools” extensions.




Eclipse Marketplace

Eclipse Marketplace


Select solutions to install. Press Install Now to proceed with installation.
Press the "more info" link to learn more about a solution.

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Spring Tools 4 (aka Spring Tool Suite 4) 4.16.0.RELEASE
Spring Tools 4 is the next generation of Spring Boot tooling for your favorite coding environment. Largely rebuilt from scratch, it provides world-class support... [more info](#)
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Spring Tools 3 (Standalone Edition) 3.9.14.RELEASE
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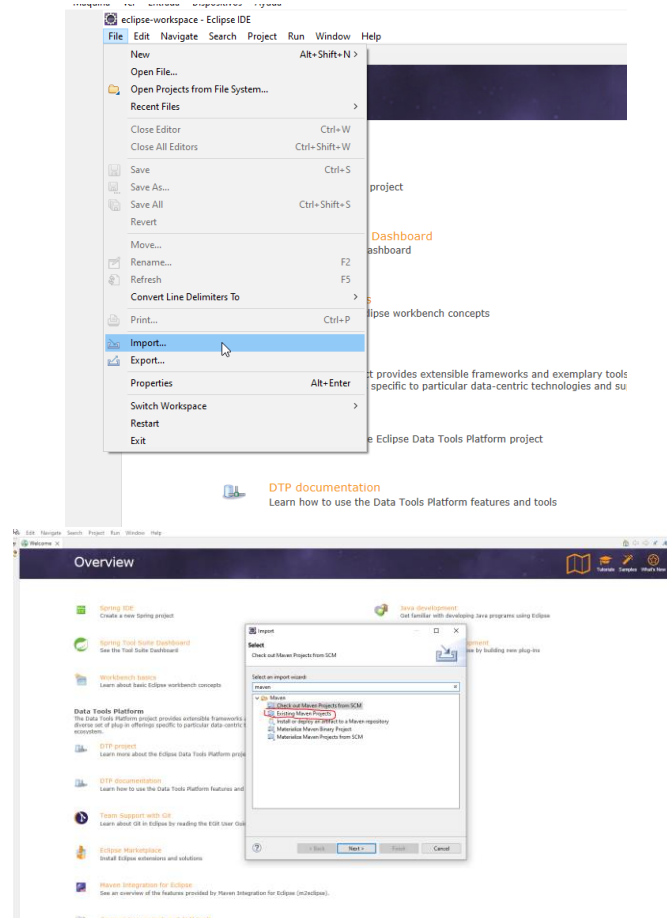


Spring Tools 4 (aka Spring Tool Suite 4) 4.16.0.RELEASE
Spring Tools 4 is the next generation of Spring Boot tooling for your favorite coding environment. Largely rebuilt from scratch, it provides world-class support... [more info](#)
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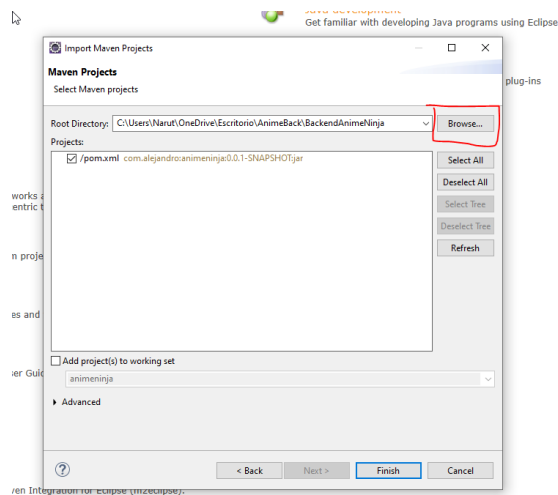
VMware tc Server Integration for Eclipse 4.1.1.RELEASE

5-Now import the Project.

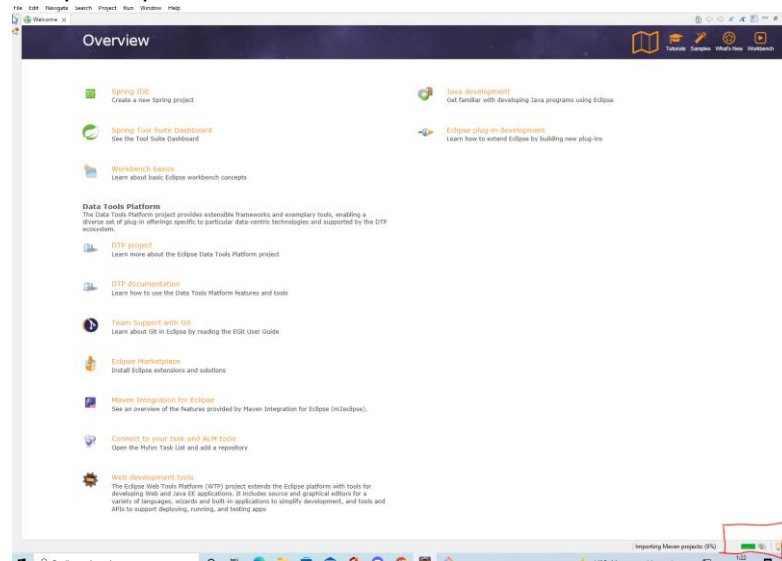
5.1 -File > import > existing Maven project



5.2 We go to the path where we download the Project and click finish.

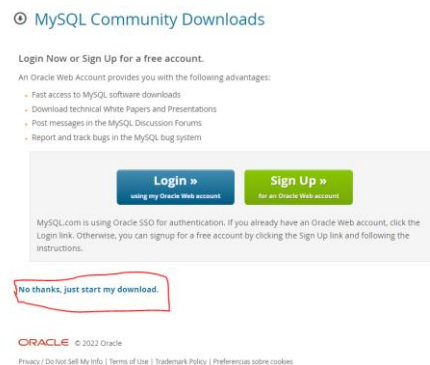
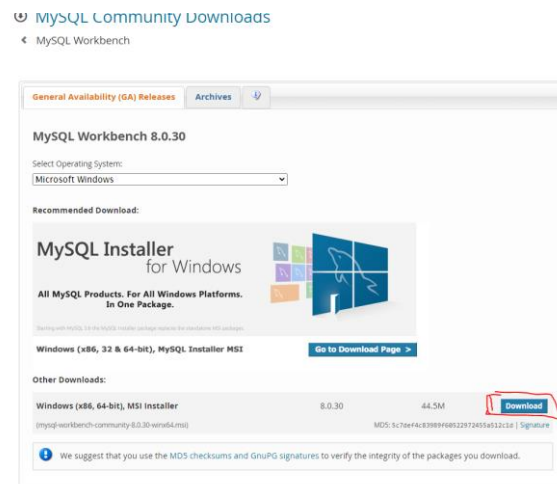


5.3 wait till eclipse import all libraries

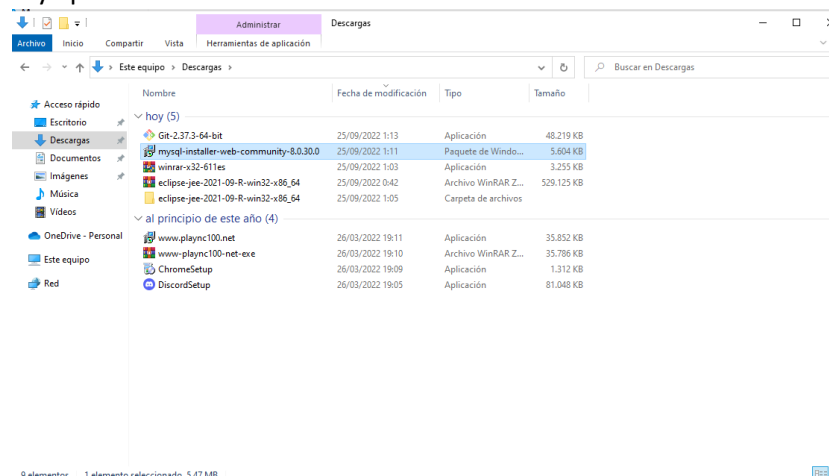


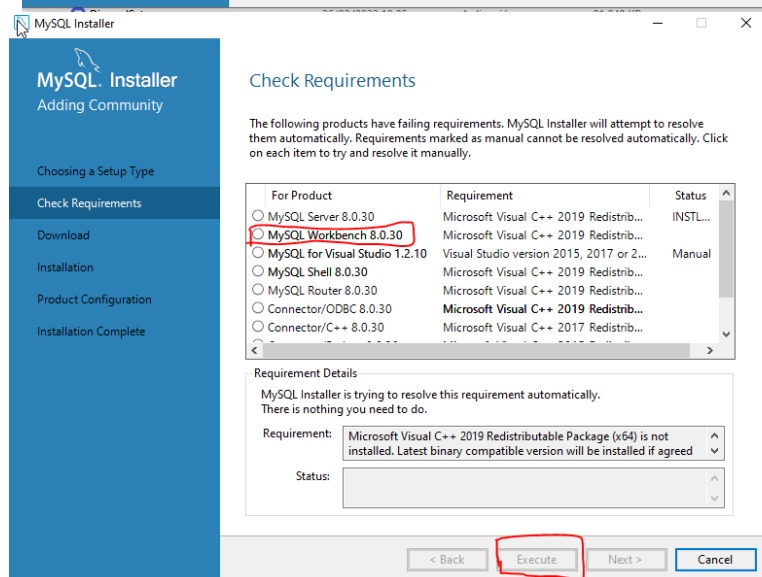
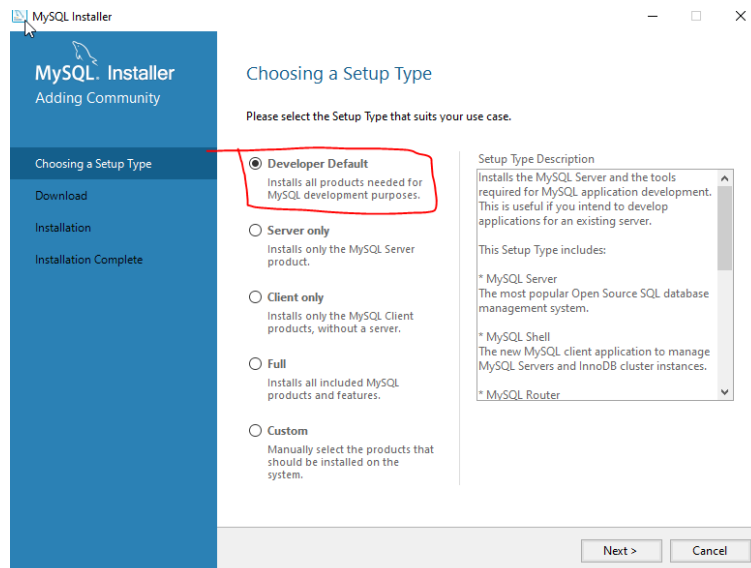
Download and install mysql

1 – We go to <https://dev.mysql.com/downloads/workbench/> and download mysqlworkbench.

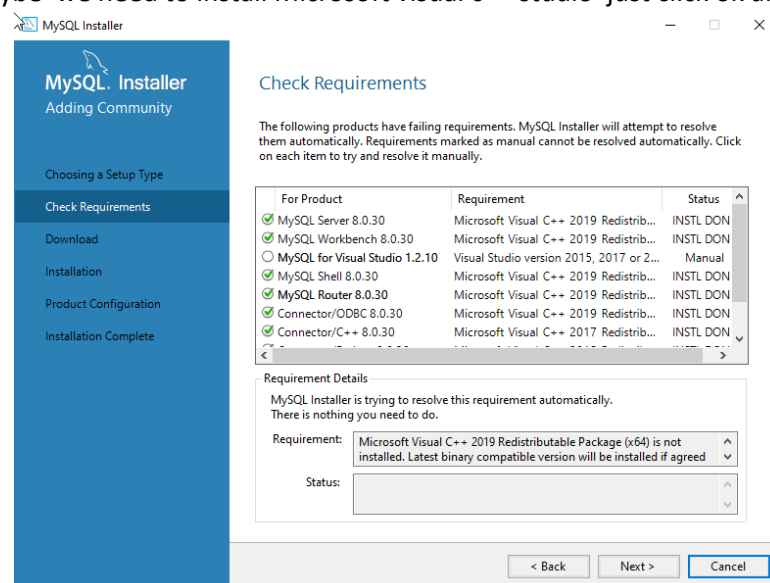


2- Install mysqlworkbench

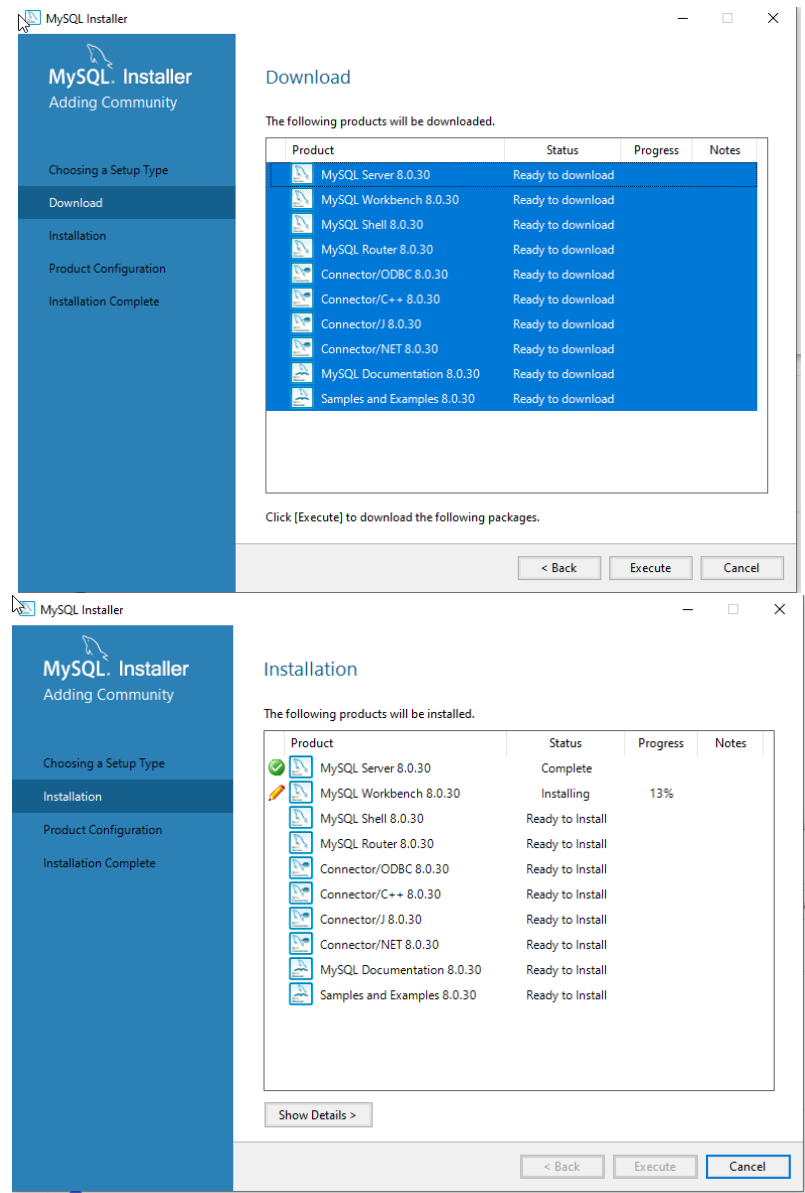




3-Maybe we need to install Microsoft visual c++ studio just click ok and next.



4- Now we download and install the packages.



5-We set the password to 1234 (not change just use 1234)

MySQL Installer

MySQL Server 8.0.30

Accounts and Roles

Root Account Password

Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password strength: **Weak**

MySQL User Accounts

Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

< Back Next > Cancel

MySQL Installer

MySQL Server 8.0.30

Windows Service

☒ Configure MySQL Server as a Windows Service

Windows Service Details

Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.

Windows Service Name:

☒ Start the MySQL Server at System Startup

Run Windows Service as ...

The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.

☒ Standard System Account
Recommended for most scenarios.

☐ Custom User
An existing user account can be selected for advanced scenarios.

< Back Next > Cancel

5- We set the password again to 1234 (not change just use 1234)

MySQL Installer

MySQL Server 8.0.30

Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/> MySQL Server 8.0.30	3306	X64	Stand-alone Server	Connection succeeded.

Provide the credentials that should be used (requires root privileges). Click "Check" to ensure they work.

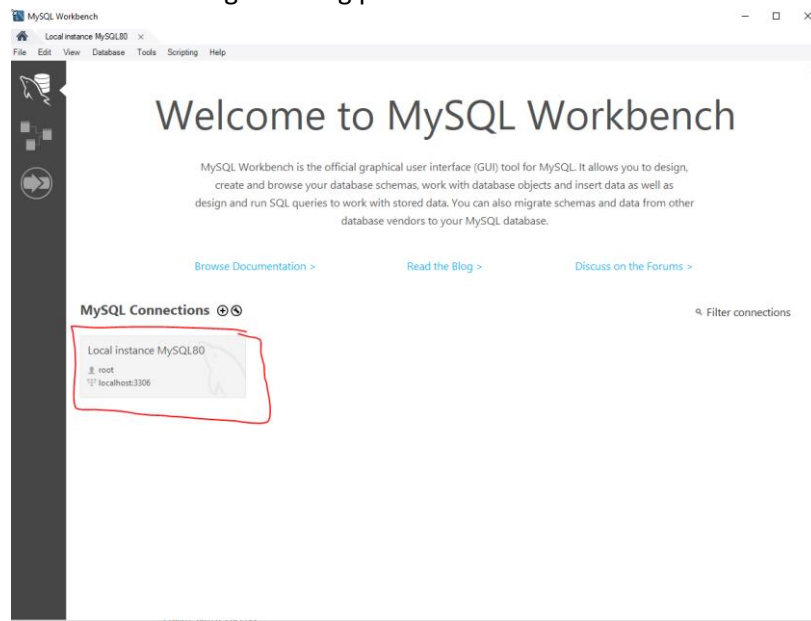
User name: Credentials provided in Server configuration

Password:

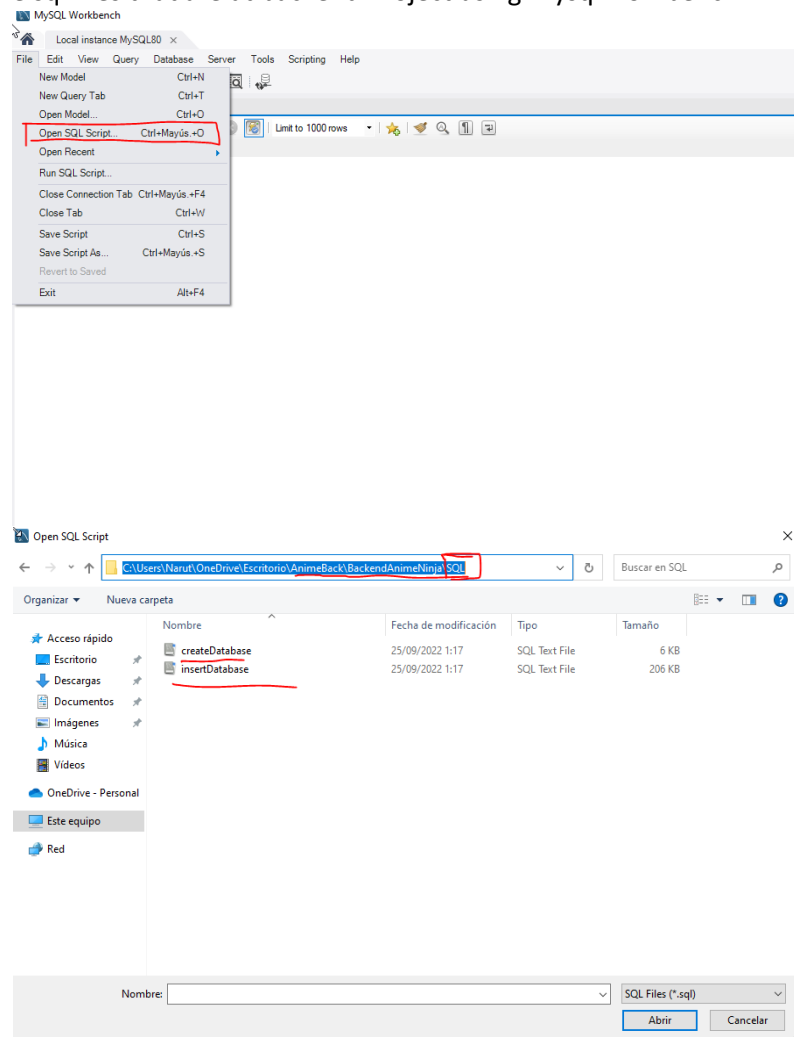
☒

Next > Cancel

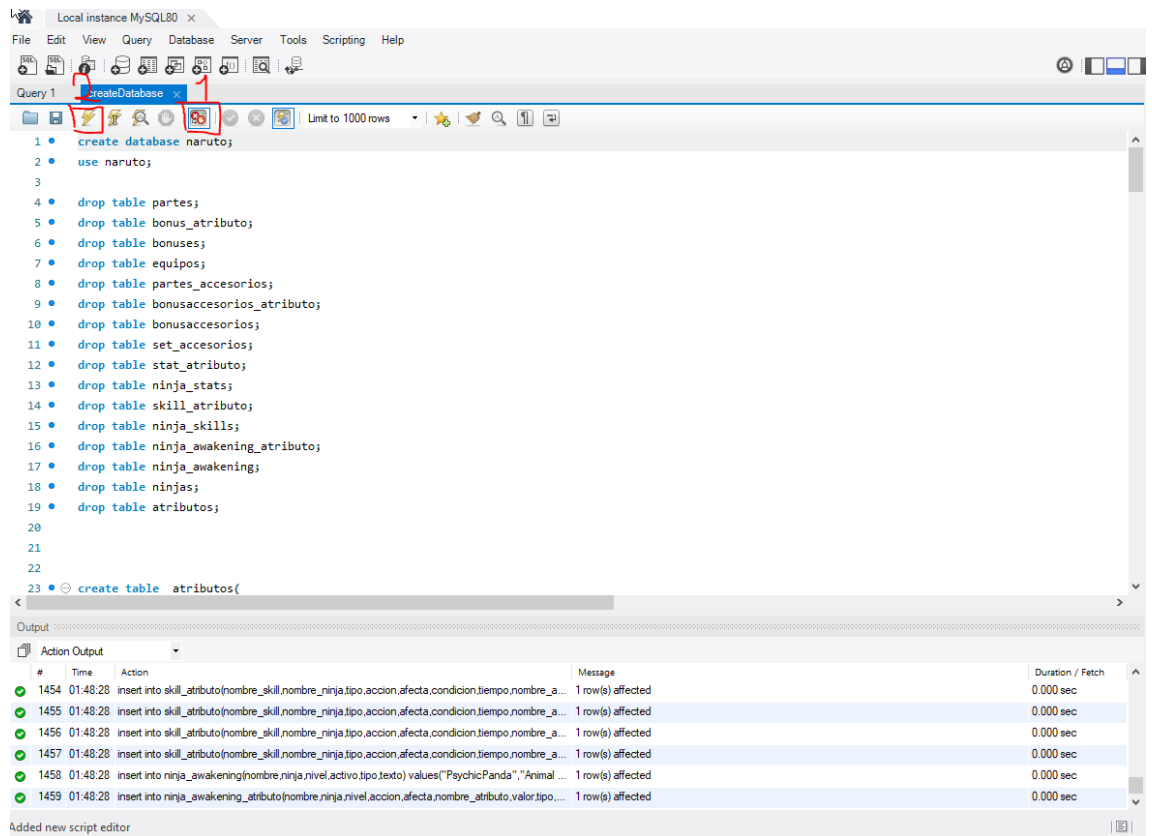
7-Next step is create the database, so we open MysqlWorkbecnh and we open the connection we create during installing phase.



8-Open the sql files that are at backend Project using MysqlWorkbench.



9-The last step is execute the scrips, click the buttons in the order wrote on the photo below.

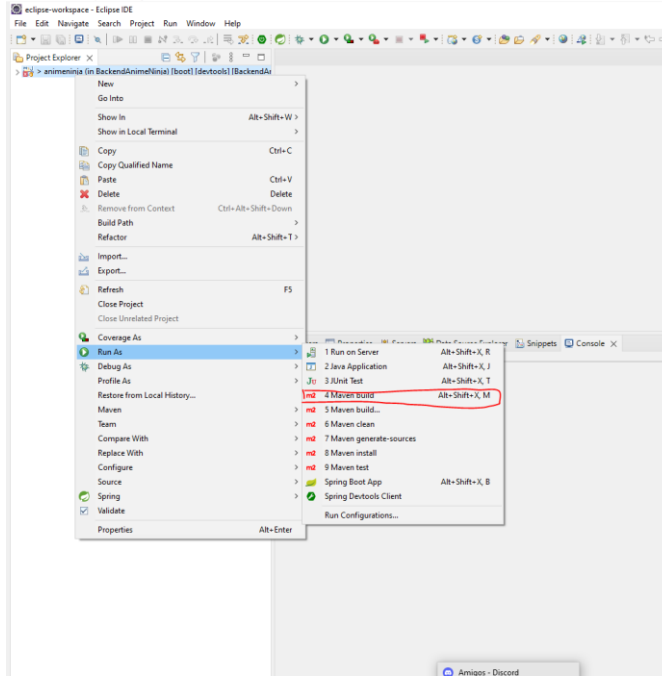


Now we have the database created with a few data examples.

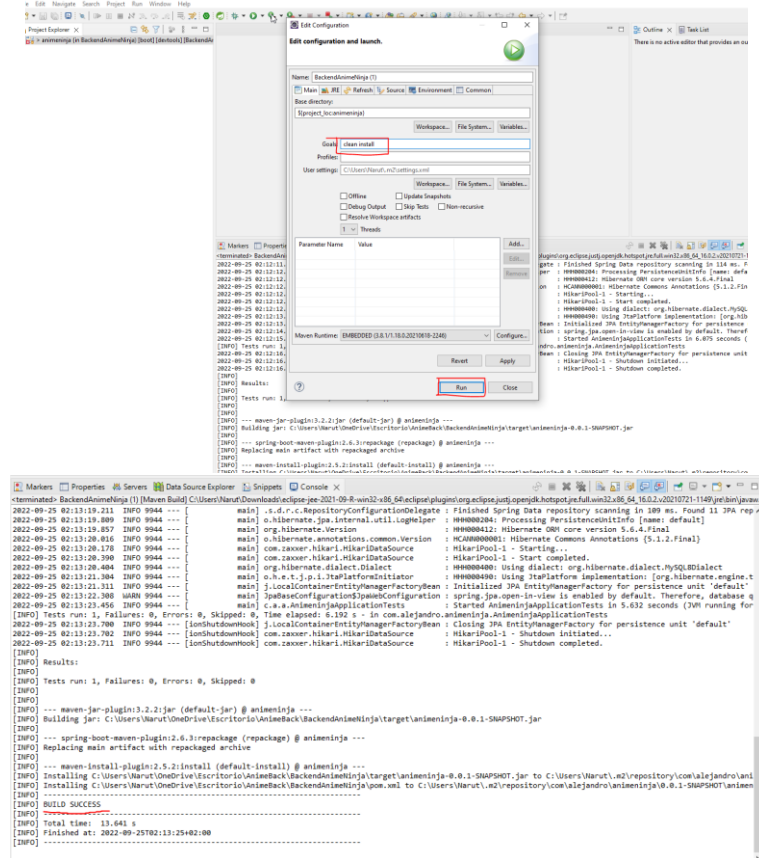
Deploy the API

1-Open eclipse and build the Project.

Right click on the Project Run > Maven build



We write “clean install” on Goals and click Run.

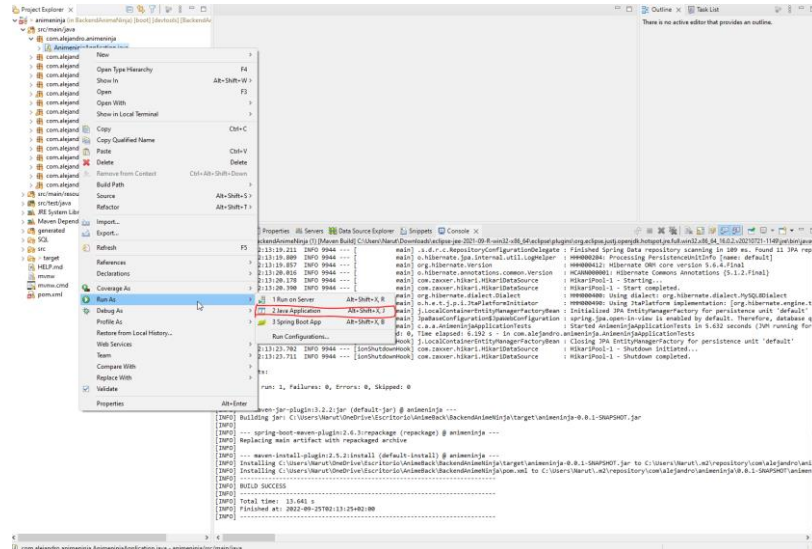


Once the project build succes, we are gona to deploy it. There is 2 options.

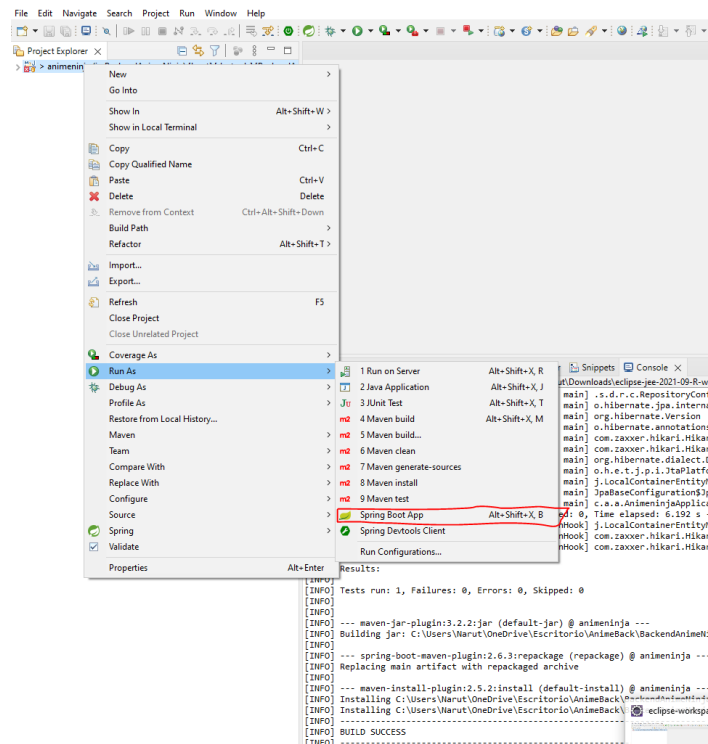
- 1- In case we dont download the extensions.

Open the Project explorer, open the project , go to the main class at package “com.alejandros.animeninja”, rIght click on class AnimeninjaApplication.java.

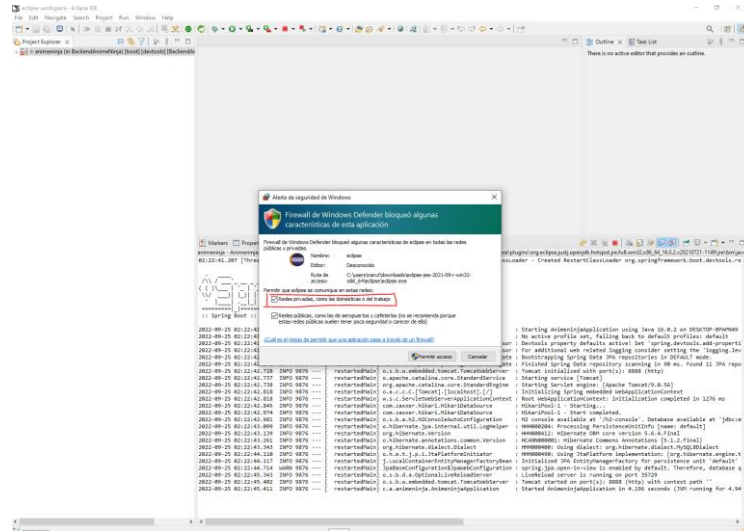
Run as java application.



- 2- In case we download all extensión we should have the option “spring boot App” that we can see at the photo on top. Just click on it and the Project Will deploy. The other option is rigth click on Project Run > Spring boot app.

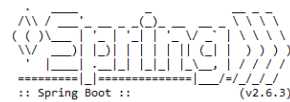


Now we give acces to Windows and wait till the Project is deployed.



That log means is all ok.

02:22:41.207 [Thread-0] DEBUG org.springframework.boot.devtools.restart.classloader.RestartClassLoader - Created RestartClassLoader org.springframework.boot.devtools.re



```
2022-09-25 02:22:41.495 INFO 9876 --- [ restartedMain] c.a.animeninja.AnimeninjaApplication : Starting AnimeninjaApplication using Java 16.0.2 on DESKTOP-BPAPM49
2022-09-25 02:22:41.498 INFO 9876 --- [ restartedMain] c.a.animeninja.AnimeninjaApplication : No active profile set, falling back to default profiles: default
2022-09-25 02:22:41.541 INFO 9876 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.add-property'
2022-09-25 02:22:41.542 INFO 9876 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level'
2022-09-25 02:22:42.175 INFO 9876 --- [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-09-25 02:22:42.272 INFO 9876 --- [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 98 ms. Found 11 JPA repo
2022-09-25 02:22:42.728 INFO 9876 --- [ restartedMain] o.apache.catalina.core.StandardEngine : Tomcat initialized with port(s): 8888 (http)
2022-09-25 02:22:42.738 INFO 9876 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Starting service [Tomcat]
2022-09-25 02:22:42.818 INFO 9876 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Starting Servlet engine: [Apache Tomcat/9.0.56]
2022-09-25 02:22:42.845 INFO 9876 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : Initializing Spring embedded WebApplicationContext
2022-09-25 02:22:42.974 INFO 9876 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : Root WebApplicationContext: initialization completed in 1276 ms
2022-09-25 02:22:42.981 INFO 9876 --- [ restartedMain] o.s.b.a.h2.H2ConsoleAutoConfiguration : HikariPool-1 - Starting...
2022-09-25 02:22:43.099 INFO 9876 --- [ restartedMain] o.s.b.a.h2.H2ConsoleAutoConfiguration : HikariPool-1 - Start completed.
2022-09-25 02:22:43.139 INFO 9876 --- [ restartedMain] org.hibernate.jpa.internal.util.LogHelper : H2 console available at '/h2-console'. Database available at 'jdbc:m
2022-09-25 02:22:43.261 INFO 9876 --- [ restartedMain] org.hibernate.Version : HH0000204: Processing PersistenceUnitInfo [name: default]
2022-09-25 02:22:43.343 INFO 9876 --- [ restartedMain] org.hibernate.common.internal.Version : HH0000412: Hibernate ORM core version 5.6.4.Final
2022-09-25 02:22:44.110 INFO 9876 --- [ restartedMain] org.hibernate.dialect.Dialect : HH00000001: Hibernate Commons Annotations (5.1.2.Final)
2022-09-25 02:22:44.117 INFO 9876 --- [ restartedMain] jpaBaseConfiguration$JpaWebConfiguration : HH0000408: Using dialect: org.hibernate.dialect.MySQL8Dialect
2022-09-25 02:22:44.714 WARN 9876 --- [ restartedMain] jpaBaseConfiguration$JpaWebConfiguration : HH0000490: Using JtaPlatform implementation: [org.hibernate.engine.t
2022-09-25 02:22:45.343 INFO 9876 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Initialized JPA EntityManagerFactory for persistence unit 'default'
2022-09-25 02:22:45.402 INFO 9876 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : spring.jpa.open-in-view is enabled by default. Therefore, database q
2022-09-25 02:22:45.411 INFO 9876 --- [ restartedMain] c.a.animeninja.AnimeninjaApplication : LiveReload server is running on port 35729
2022-09-25 02:22:45.411 INFO 9876 --- [ restartedMain] c.a.animeninja.AnimeninjaApplication : Tomcat started on port(s): 8888 (http) with context path ''
2022-09-25 02:22:45.411 INFO 9876 --- [ restartedMain] c.a.animeninja.AnimeninjaApplication : Started AnimeninjaApplication in 4.196 seconds (JVM running for 4.94
```

So now we can acces to the endpoints with our browser but just endpoint that doesnt require a "request body".

localhost:8888/ninjas

localhost:8888/equipos

localhost:8888/accesorios

...

http://localhost:8888/swagger-ui/index.html#/

