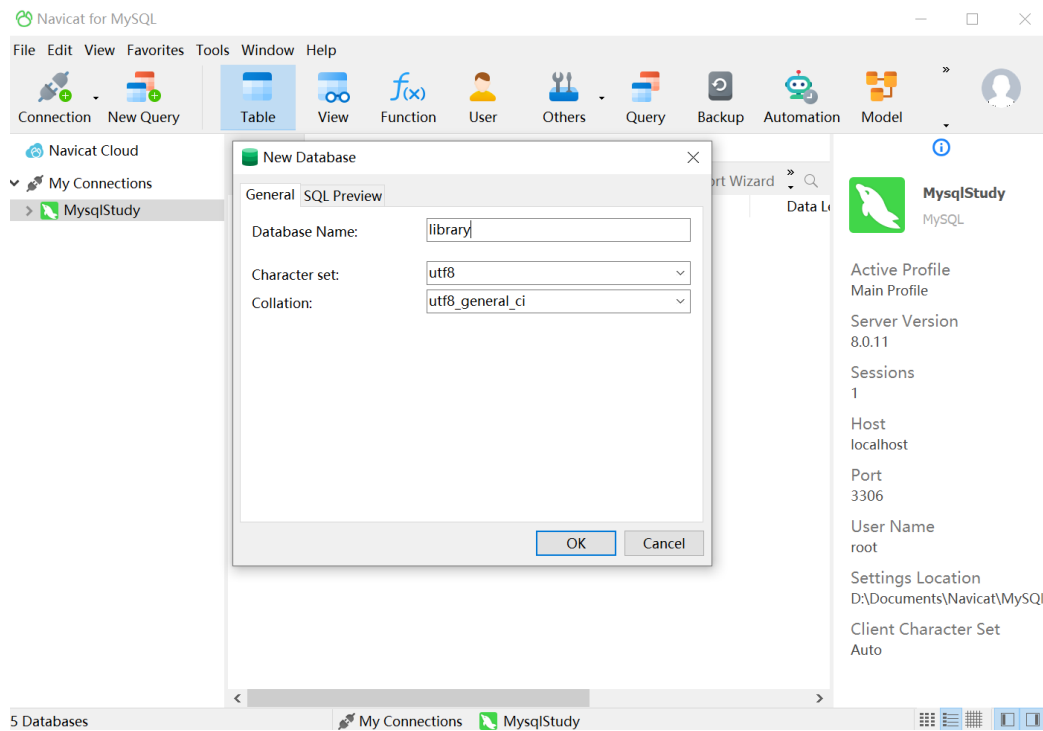


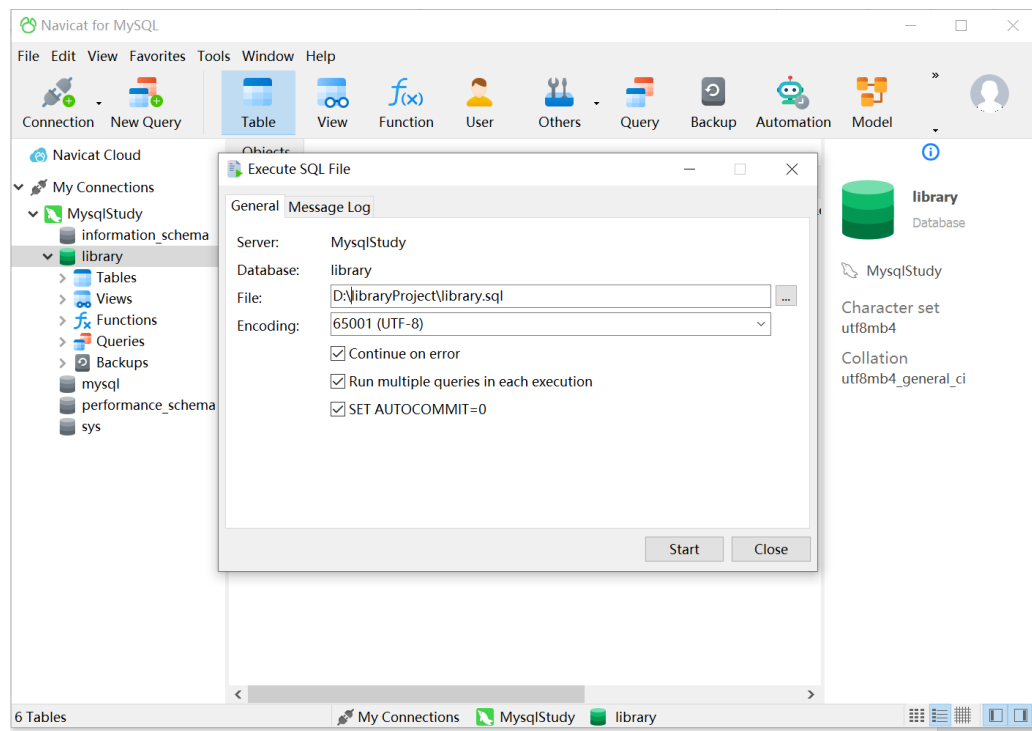
Project Configuration Guide

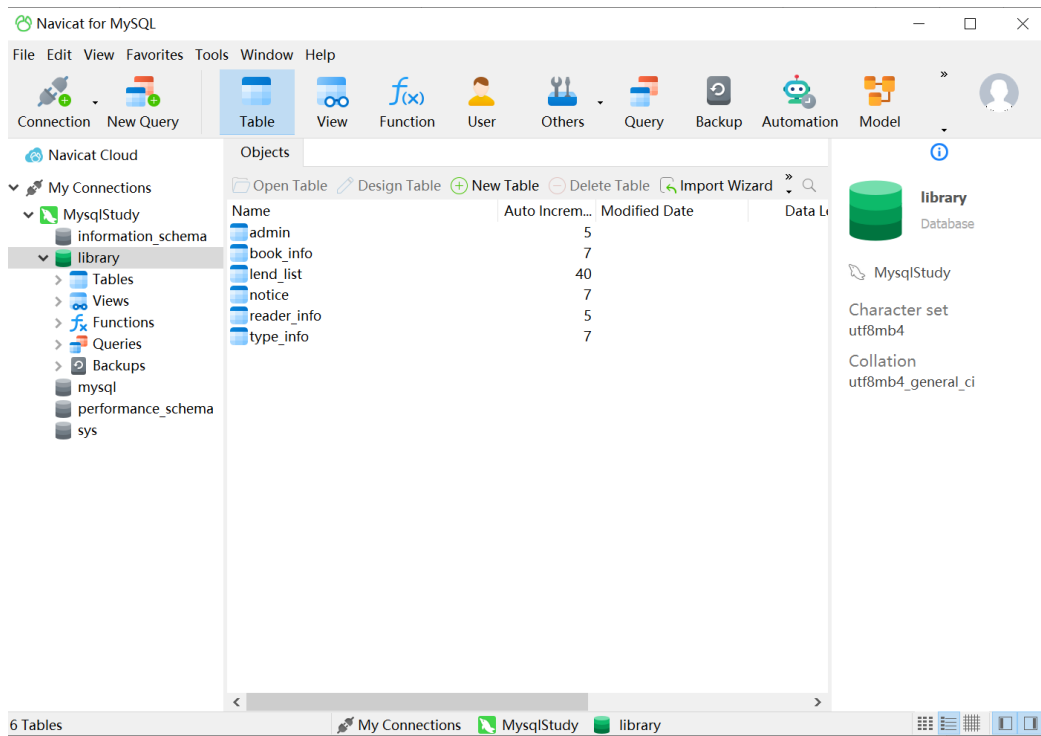
1- Import database

- 1) Ensure that MySQL is properly installed on the computer, and create a new database named "library".



- 2) Execute the library.sql(which is located in the project root directory) file to configure the database.





2- Download Tomcat

<https://tomcat.apache.org/> (Tomcat official website)

GO Apache Tomcat

The Apache Tomcat® software is an open source implementation of the [Jakarta Servlet](#), [Jakarta Server Pages](#), [Jakarta Expression Language](#), [Jakarta WebSocket](#), [Jakarta Annotations](#) and [Jakarta Authentication](#) specifications. These specifications are part of the [Jakarta EE platform](#).

The Jakarta EE platform is the evolution of the Java EE platform. Tomcat 10 and later implement specifications developed as part of Jakarta EE. Tomcat 9 and earlier implement specifications developed as part of Java EE.

The Apache Tomcat software is developed in an open and participatory environment and released under the [Apache License version 2](#). The Apache Tomcat project is intended to be a collaboration of the best-of-breed developers from around the world. We invite you to participate in this open development project. To learn more about getting involved, [click here](#).

Apache Tomcat software powers numerous large-scale, mission-critical web applications across a diverse range of industries and organizations. Some of these users and their stories are listed on the [PoweredBy](#) wiki page.

Apache Tomcat, Tomcat, Apache, the Apache feather, and the Apache Tomcat project logo are trademarks of the Apache Software Foundation.

Tomcat 10.1.20 Released 2024-03-25

The Apache Tomcat Project is proud to announce the release of version 10.1.20 of Apache Tomcat. This release implements specifications that are part of the Jakarta EE 10 platform.

Applications that run on Tomcat 9 and earlier will not run on Tomcat 10 without changes. Java EE based applications designed for Tomcat 9 and earlier may be placed in the `$CATALINA_BASE/webapps-javaee` directory and Tomcat will automatically convert them to Jakarta EE and copy them to the webapps directory. This conversion is performed using the [Apache Tomcat migration tool for Jakarta EE](#) which is also available as a separate [download](#) for off-line use.

The notable changes in this release are:

- Fix regression when reloading TLS configuration and files.
- When restoring a saved POST request after a successful FORM authentication, ensure that neither the URI, the query string nor the protocol are corrupted when restoring the request body.
- Align error handling for Writer and OutputStream. Ensure use of either once the response has been recycled triggers a `NullPointerException` provided that `discardFacades` is configured with the default value of true.

Full details of these changes, and all the other changes, are available in the [Tomcat 10.1 changelog](#).

[Download](#)

Documentation

- Tomcat 11.0 (alpha)
- Tomcat 10.1
- Tomcat 9.0
- Tomcat 8.5
- Upgrading
- Tomcat Connectors
- Tomcat Native 2
- Tomcat Native 1.3
- Tomcat Native 1.2
- Wiki
- Migration Guide
- Presentations
- Specifications

Problems?

- Security Reports
- Find help
- FAQ
- Mailing Lists
- Run Database

10.1.20

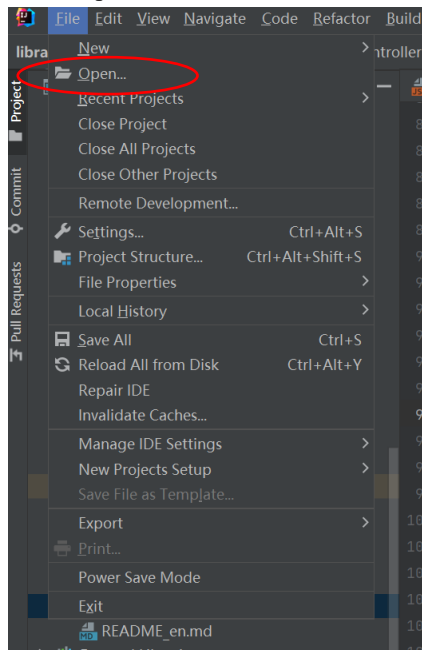
Please see the [README](#) file for packaging information. It explains what every distribution contains.

Binary Distributions

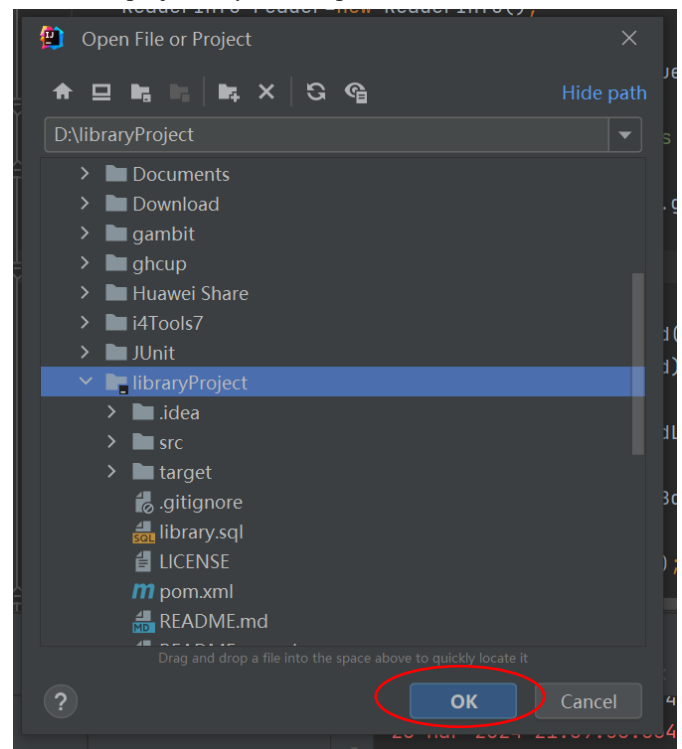
- Core:
 - [zip \(pgp, sha512\)](#)
 - [tar.gz \(pgp, sha512\)](#)
 - [32-bit Windows zip \(pgp, sha512\)](#) 32-bit or 64-bit
 - [64-bit Windows zip \(pgp, sha512\)](#)
 - [32-bit/64-bit Windows Service Installer \(pgp, sha512\)](#)
- Full documentation:
 - [tar.gz \(pgp, sha512\)](#)
- Deployer:
 - [zip \(pgp, sha512\)](#)
 - [tar.gz \(pgp, sha512\)](#)
- Embedded:
 - [tar.gz \(pgp, sha512\)](#)
 - [zip \(pgp, sha512\)](#)

3- Open the project using Intellij IDEA

Click "open"

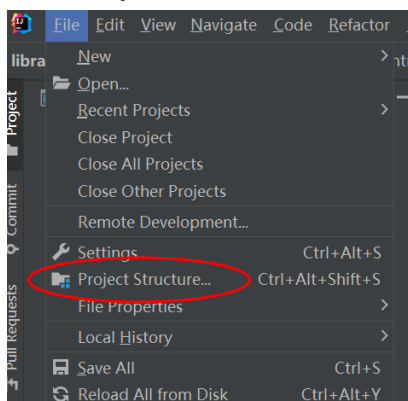


Find the project in your computer, click "ok"

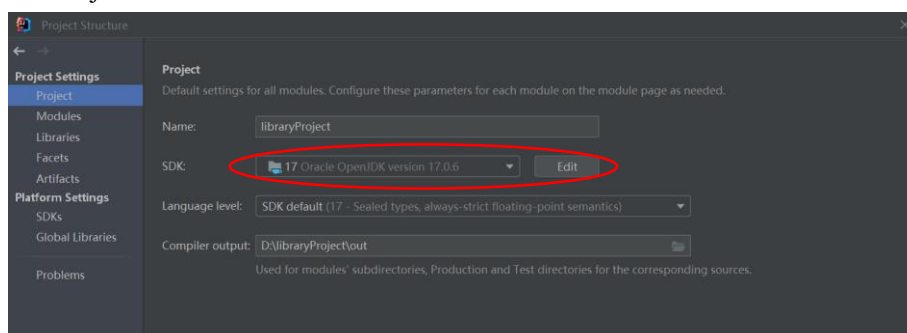


4- Change jdk version

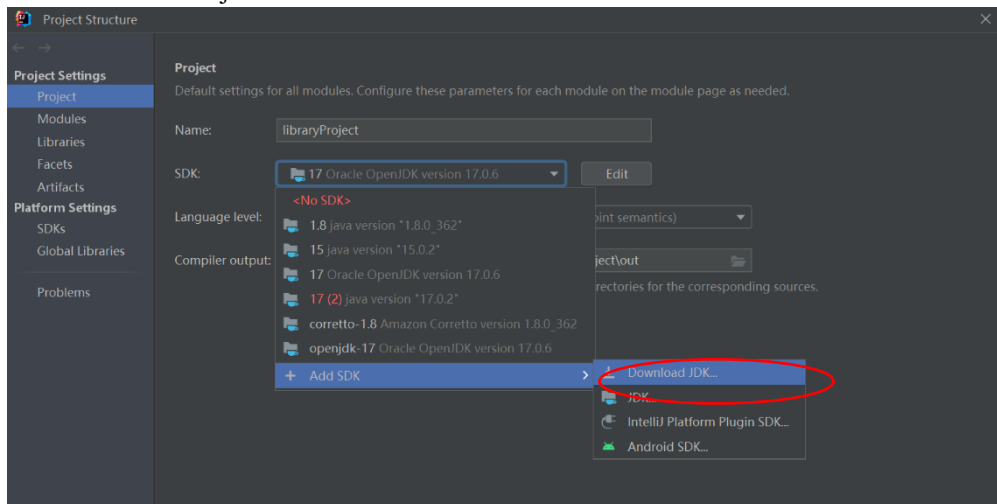
Click "Project Structure"



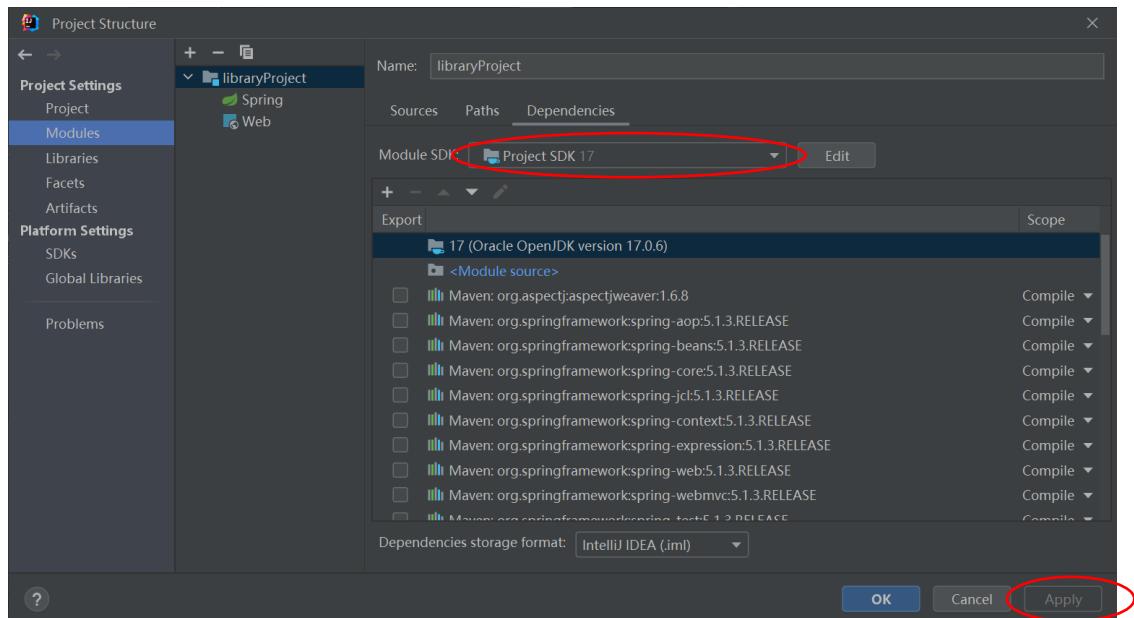
Select jdk version



You can download jdk here

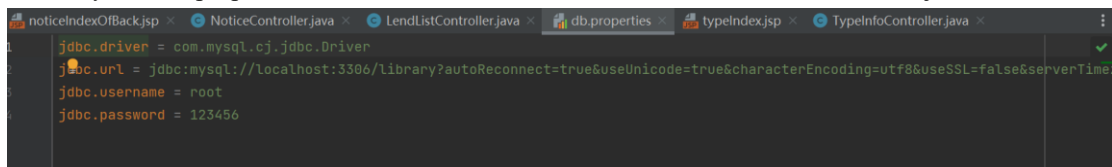


Make sure the jdk version is consistent, click "Apply"



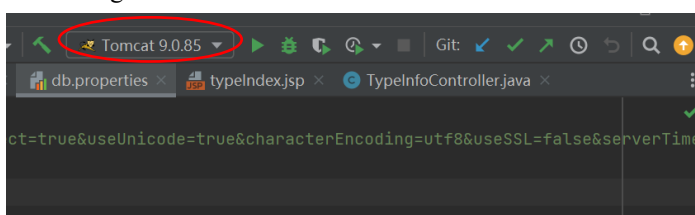
5- Modify database connection pool

Modify the "db.properties" file with the information from the database that we have just created

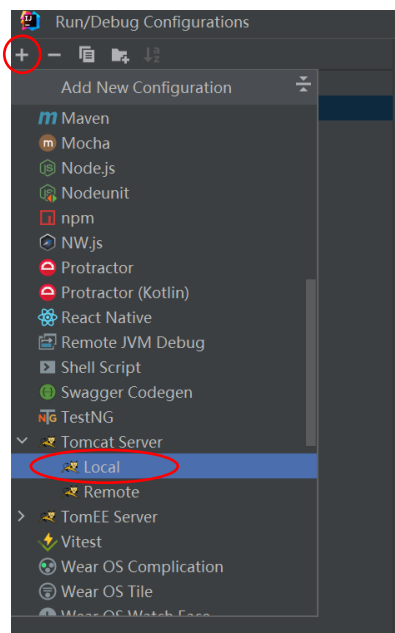


6- Configure tomcat

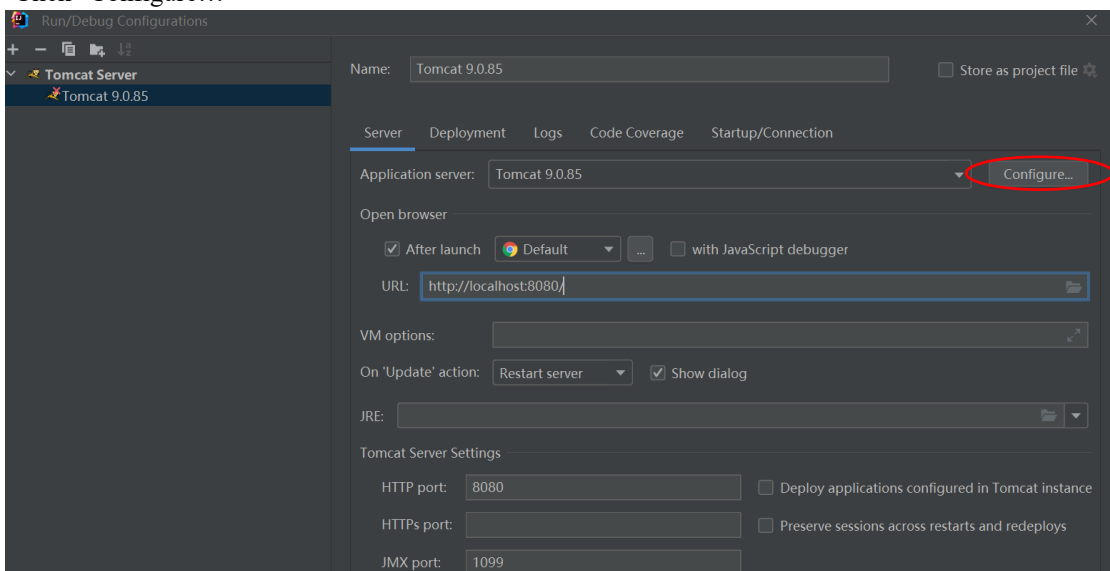
Add configuration



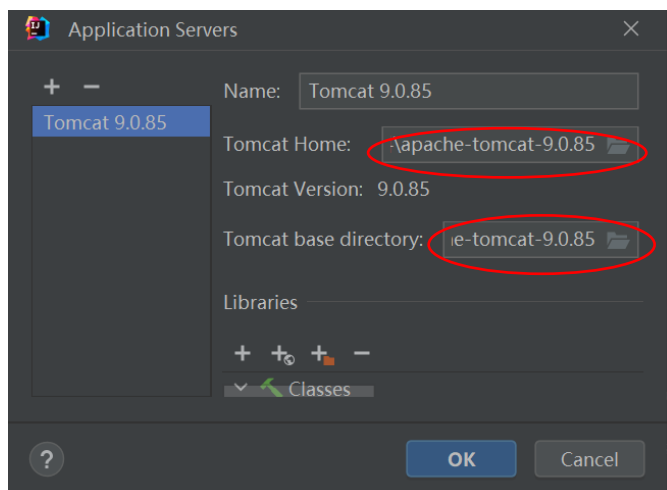
Click "+" and select "Tomcat Server - Local"



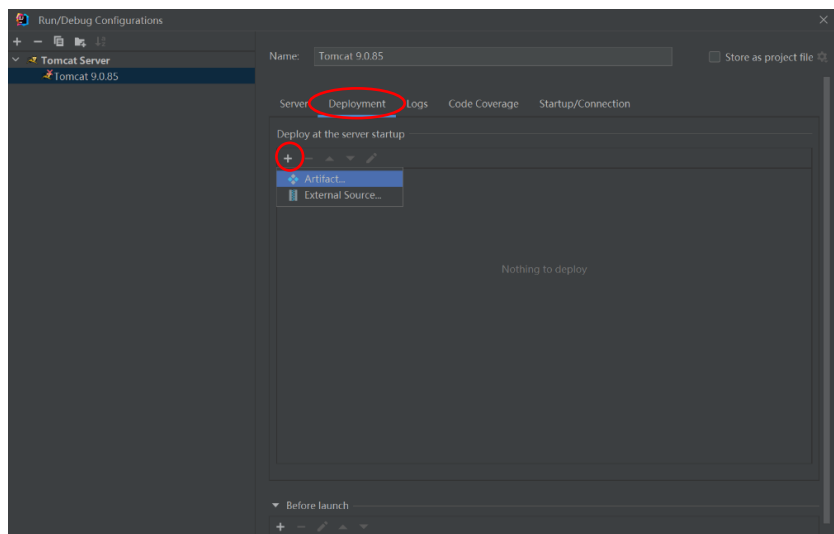
Click "Configure..."



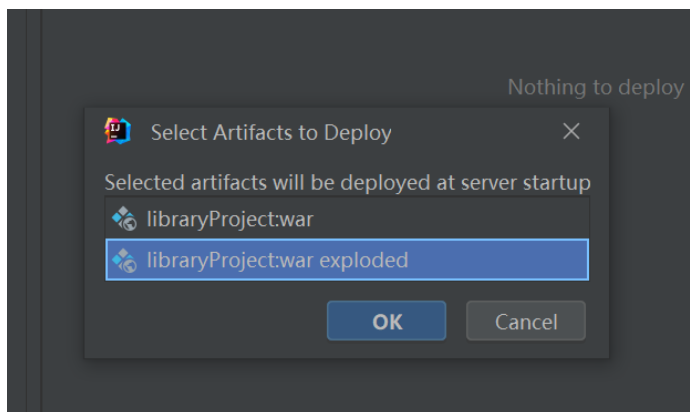
Find the tomcat directory that we just downloaded, then click "OK"



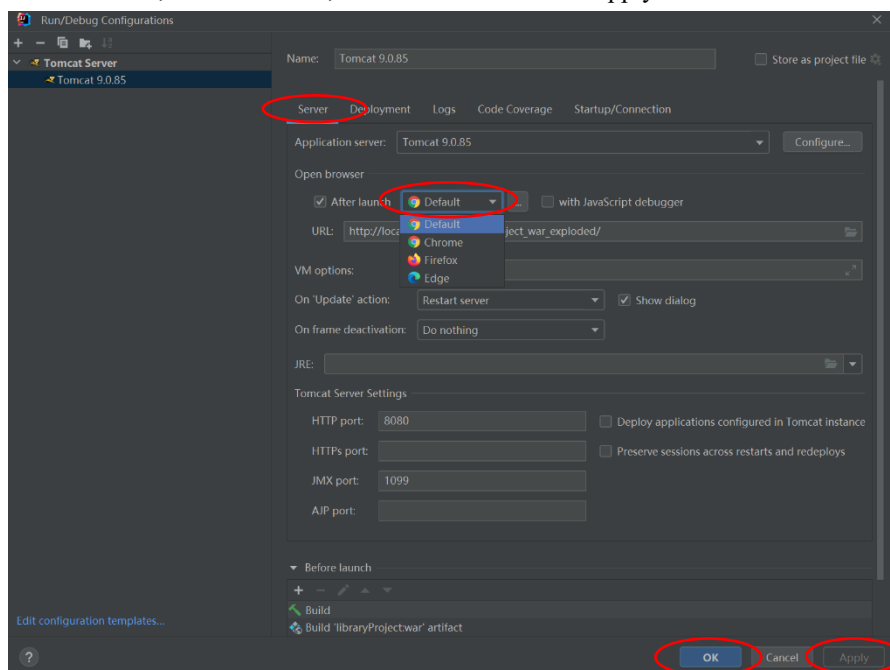
Click "Deployment" then "+" → "Artifact"



Select "libraryProject:war exploded" then click "OK"



Click "Server", Select browser, click "OK" then click "Apply"



7- The configuration is finished, we can run the project now