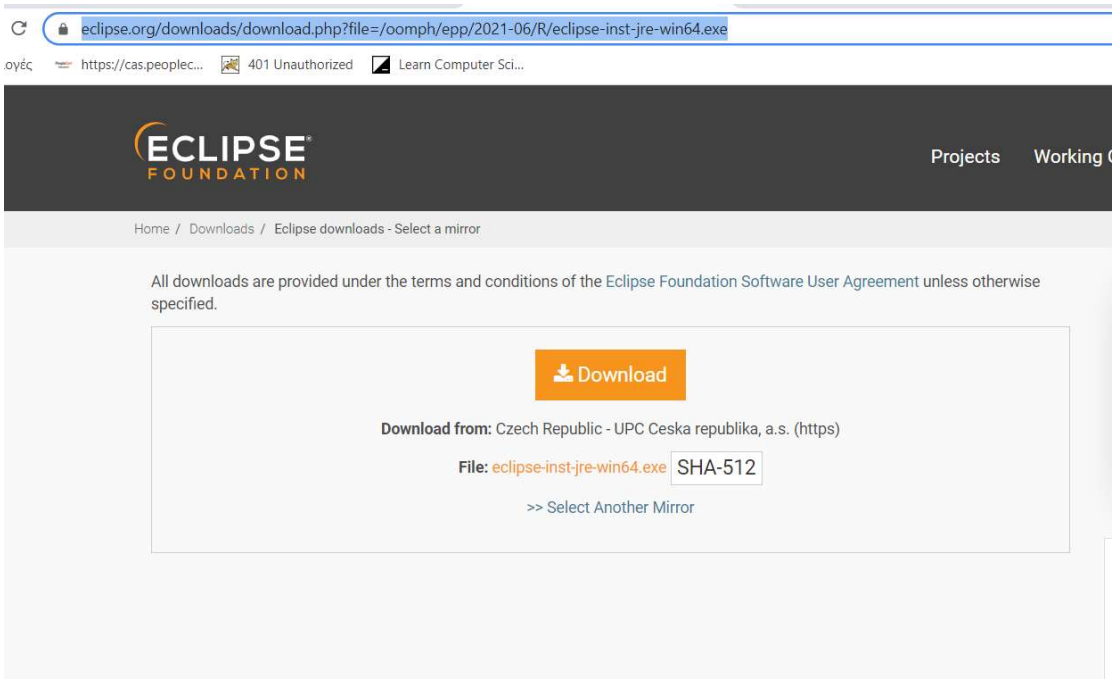
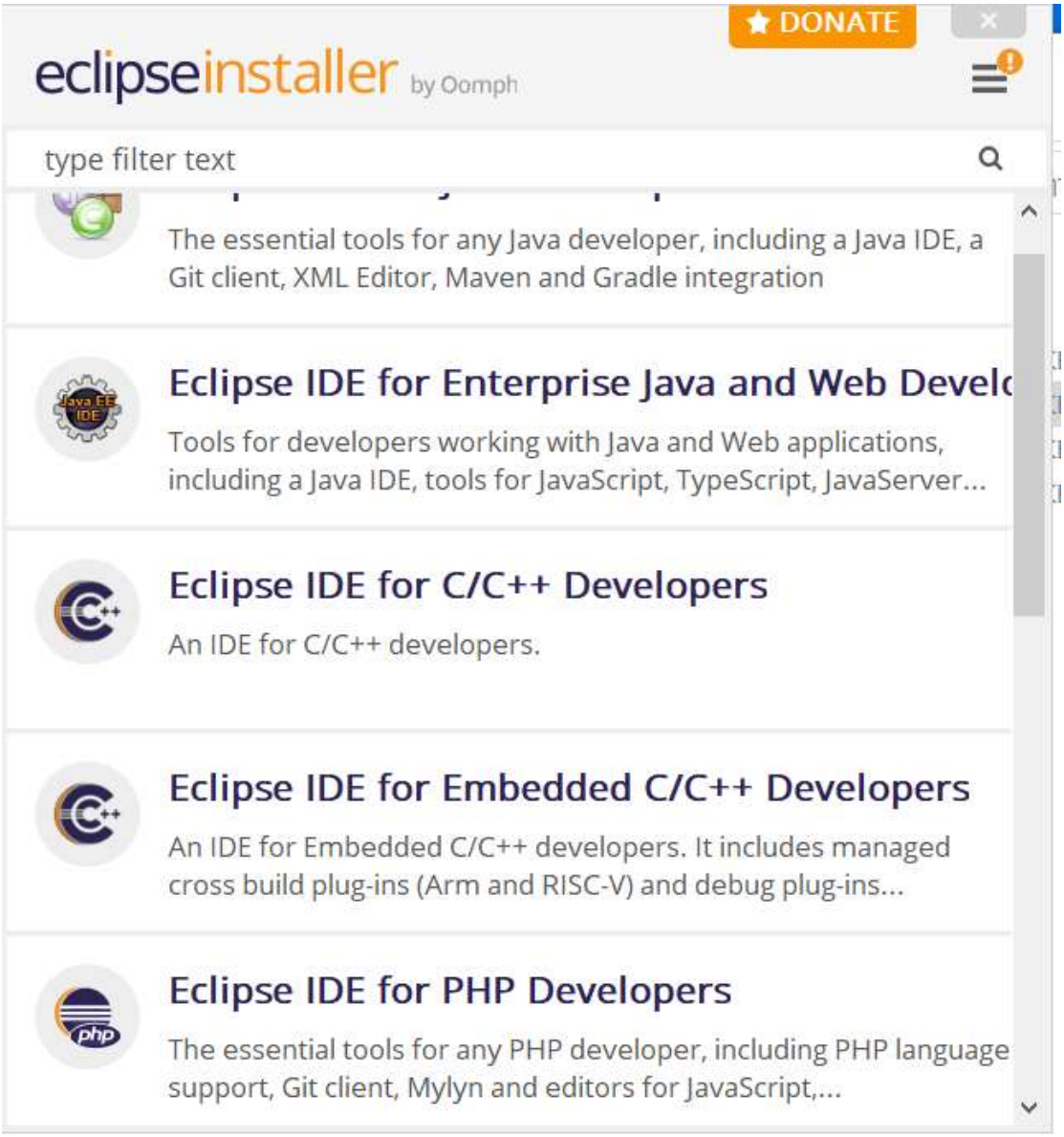
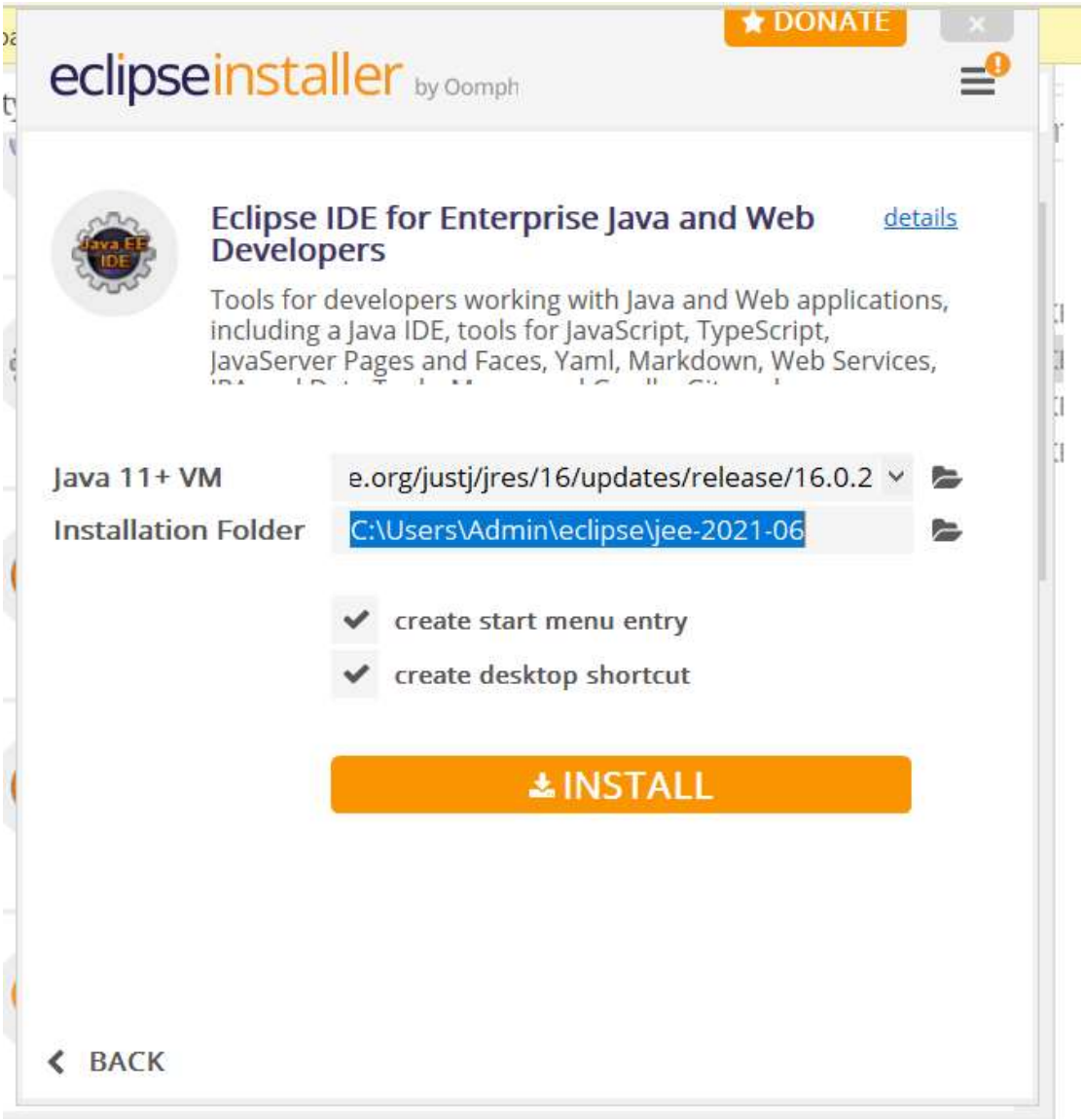
Download Link

https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2021-06/R/eclipse-inst-jre-win64.exe



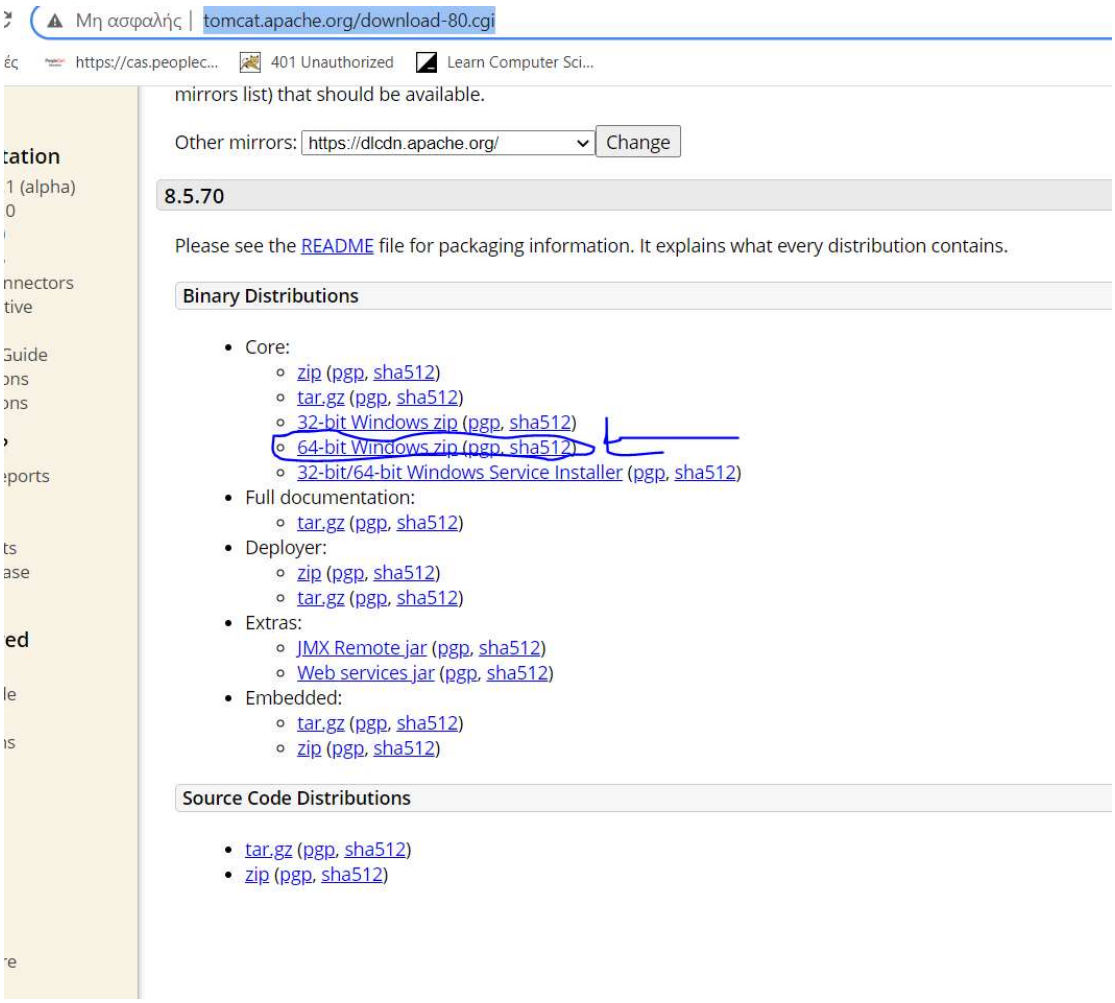



Eclipse IDE Enterprise  Java and Web Development.

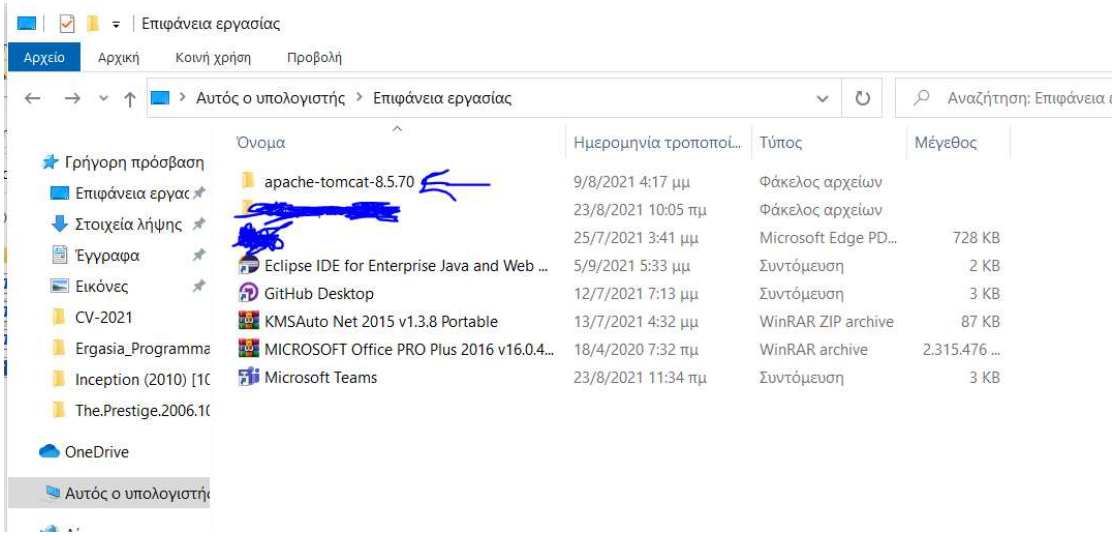



Install Tomcat

http://tomcat.apache.org/download-80.cgi

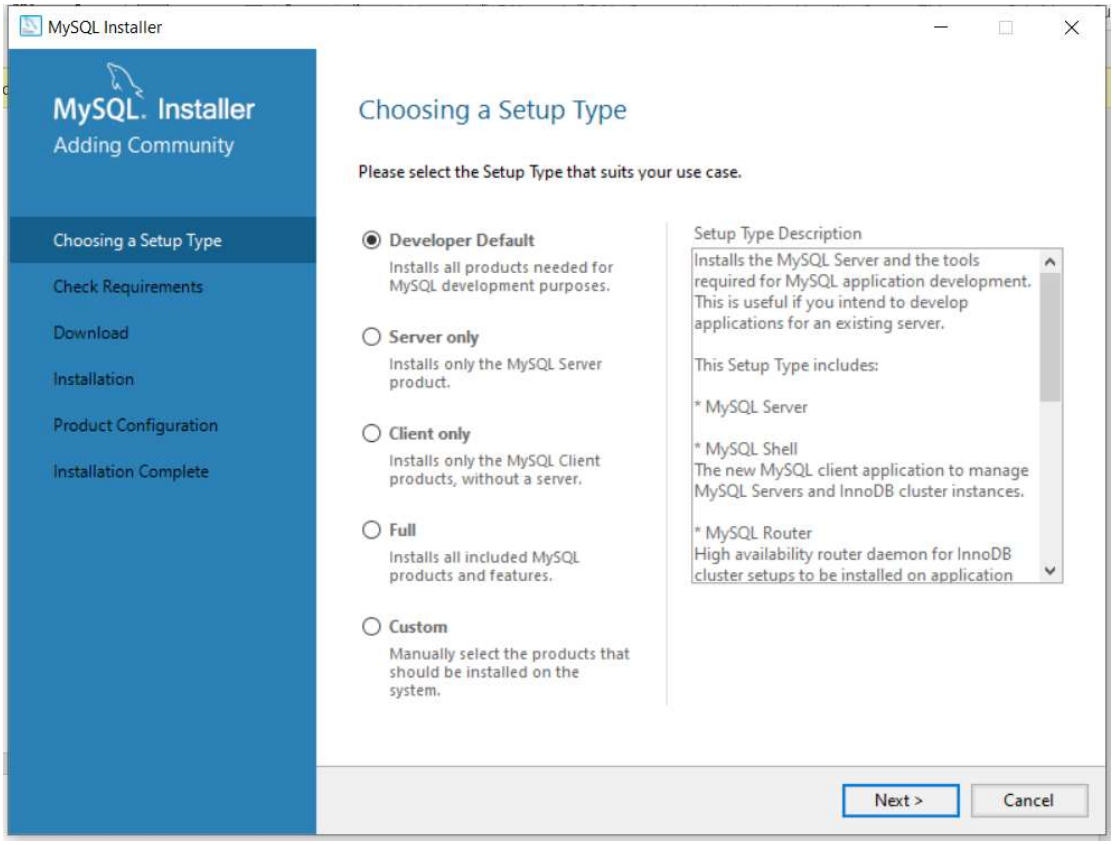



Extract files in your Desktop.

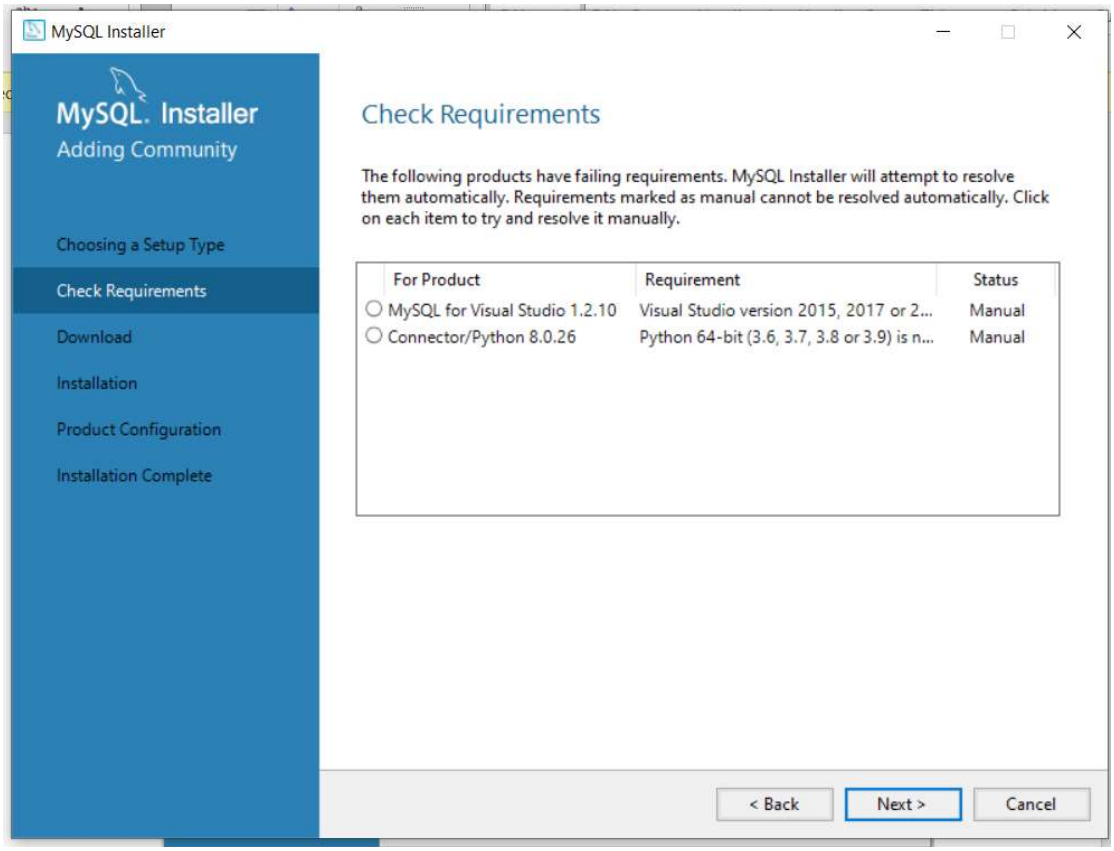


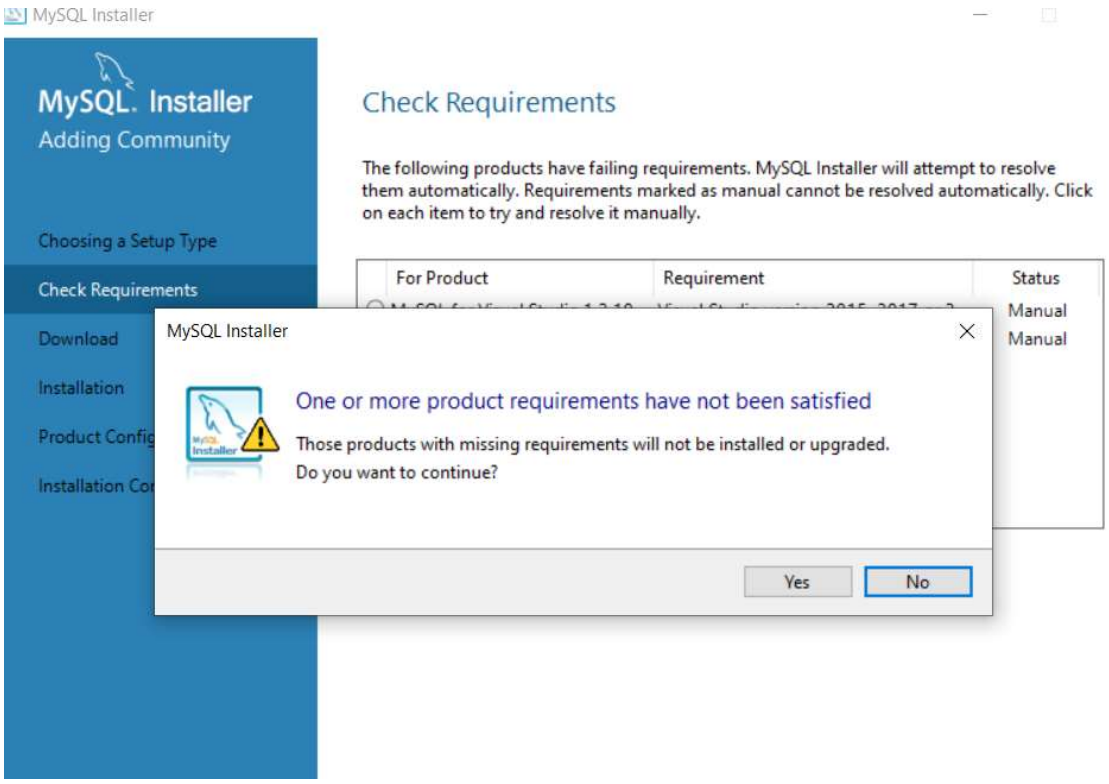

Download mySql:

https://dev.mysql.com/downloads/file/?id=506567

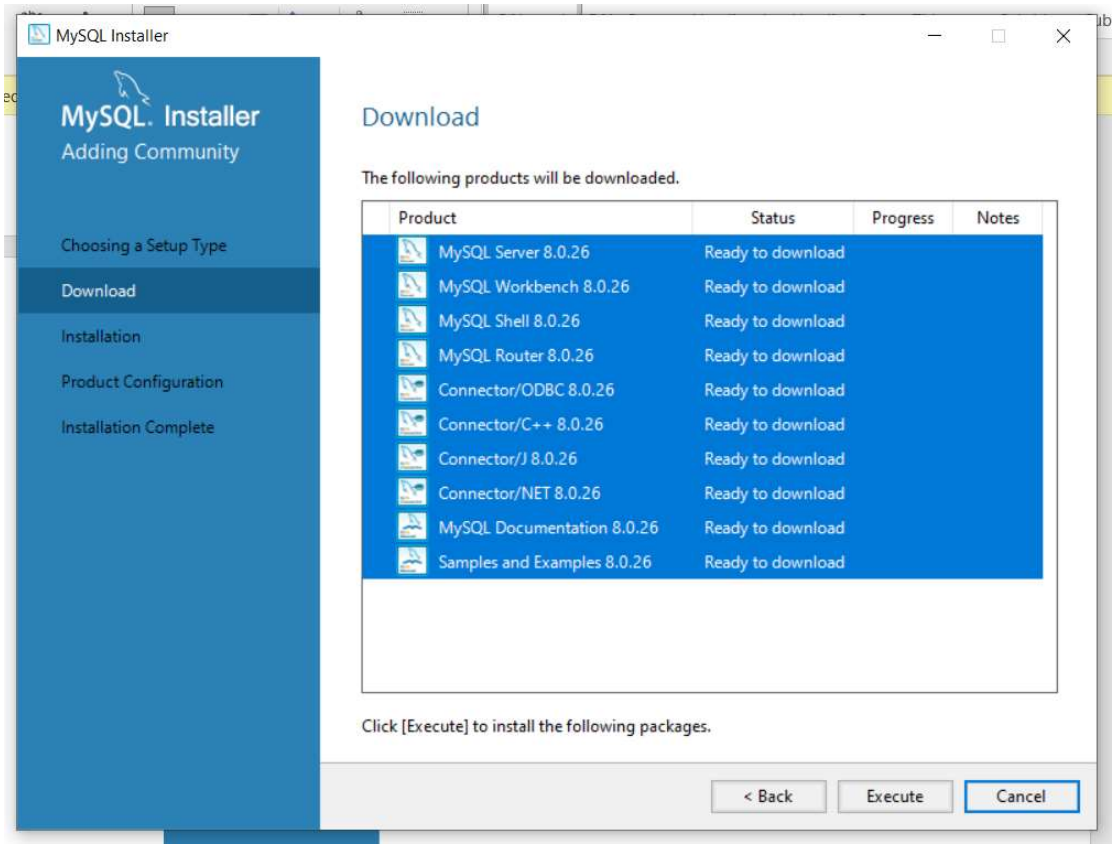



Just press Next

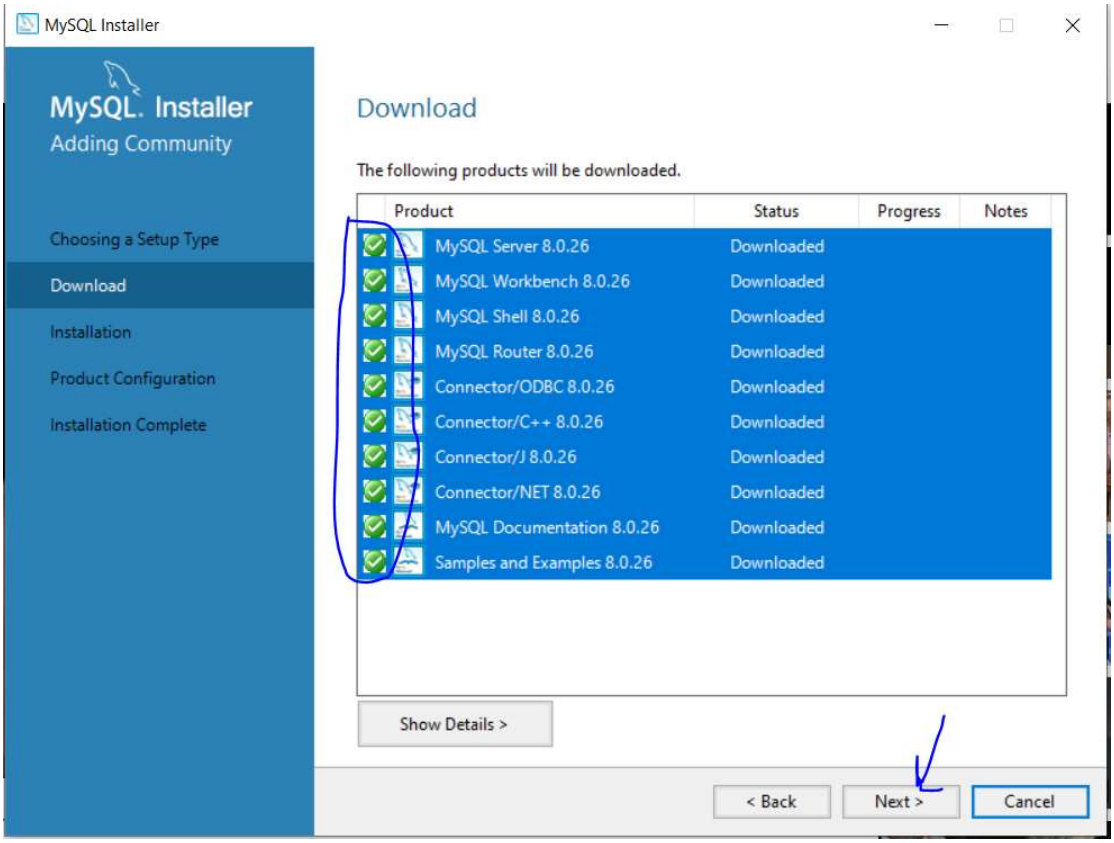


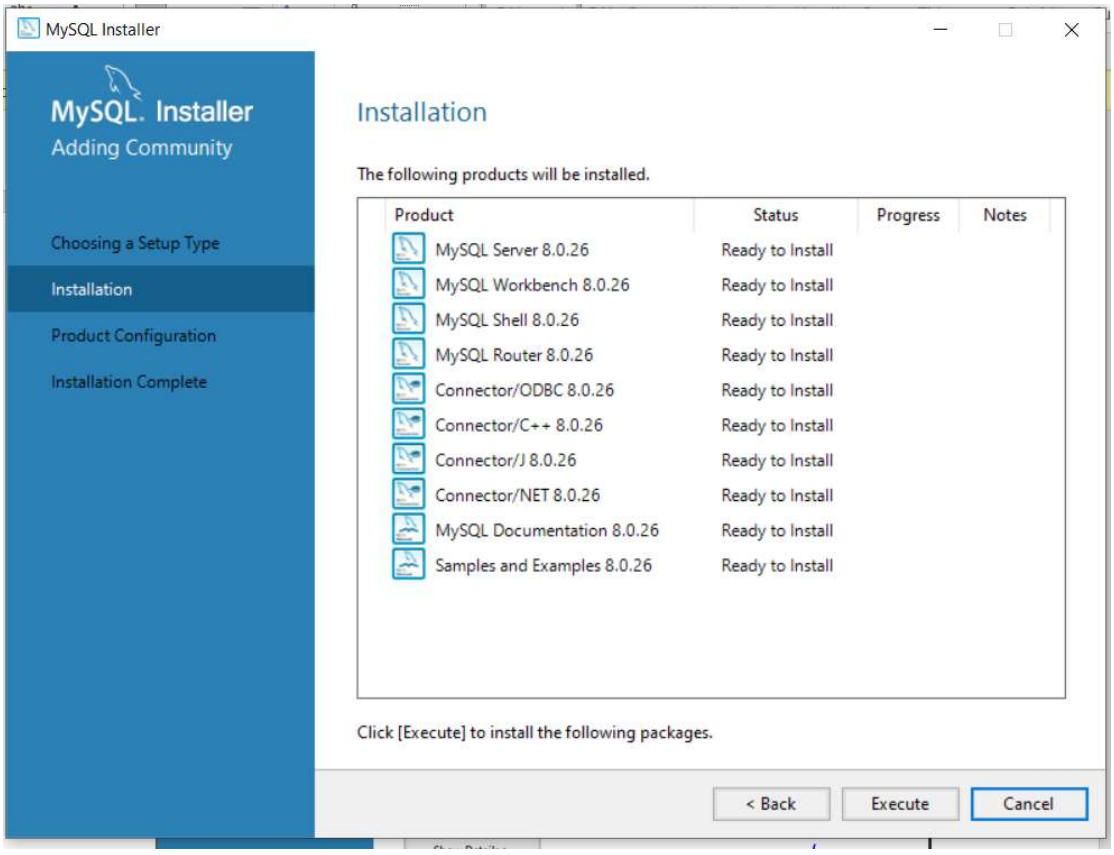



Press yes

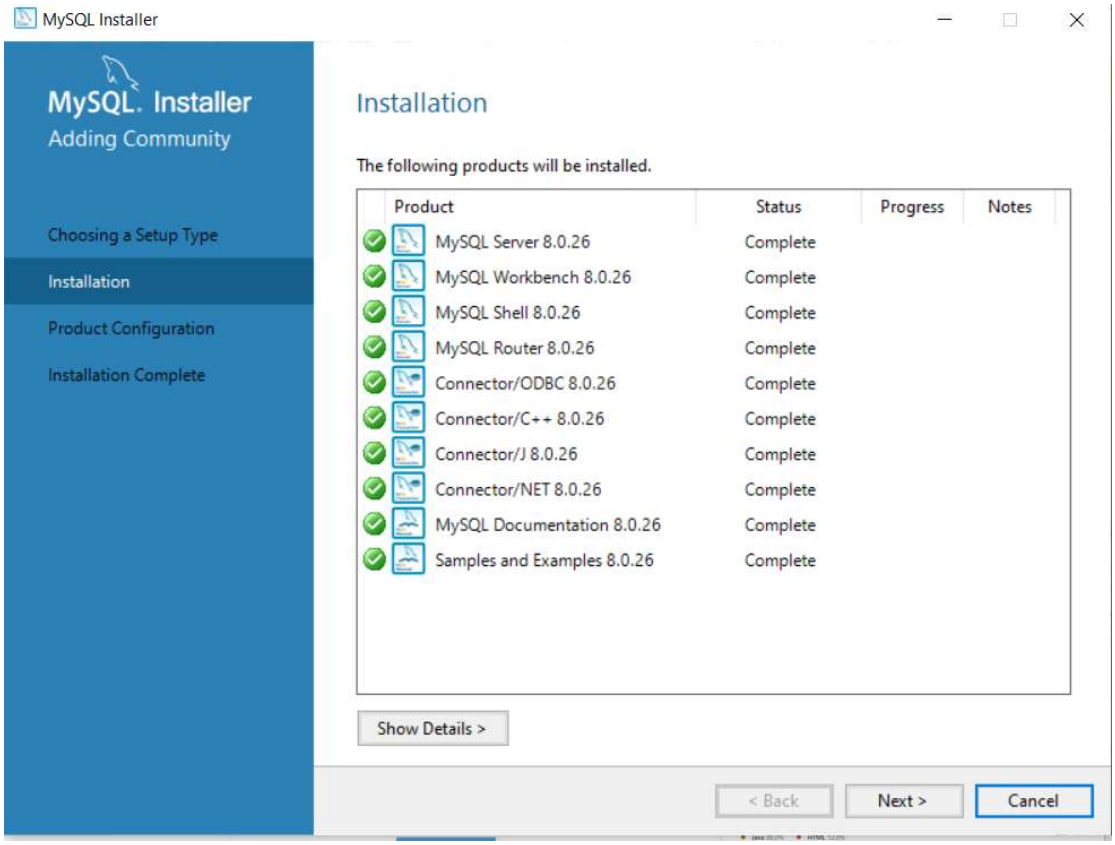


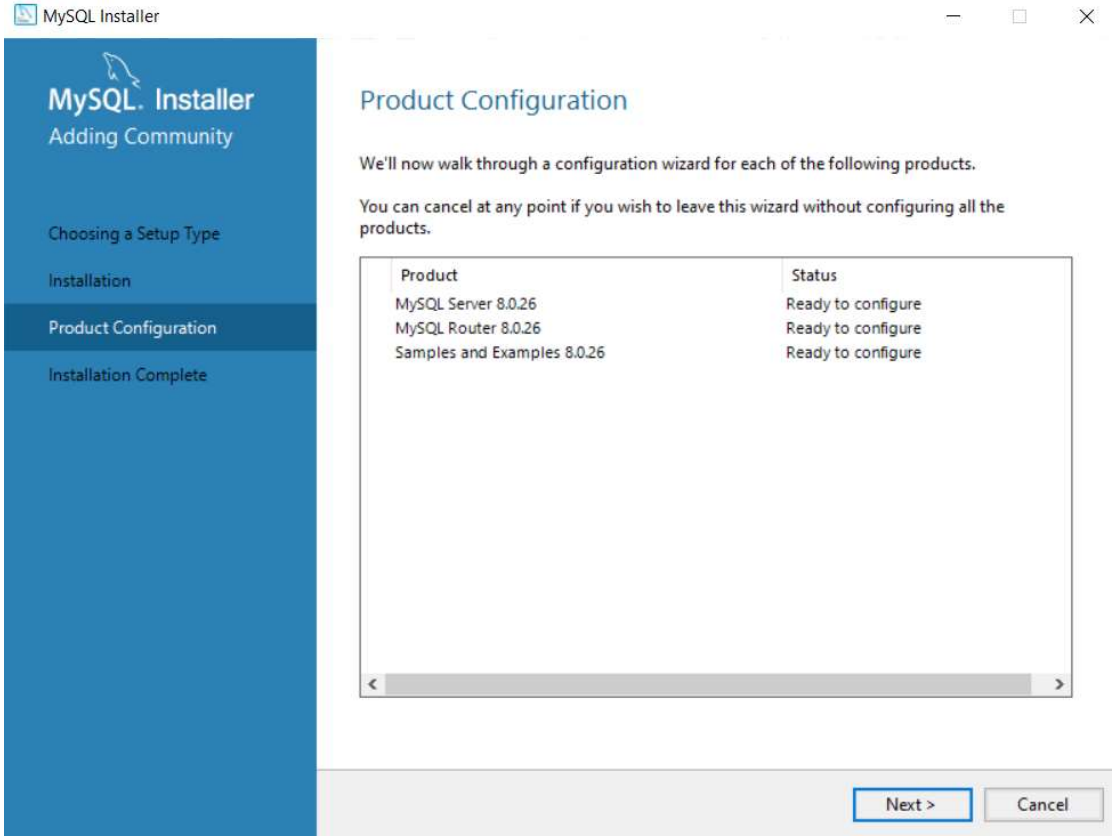

Execute.

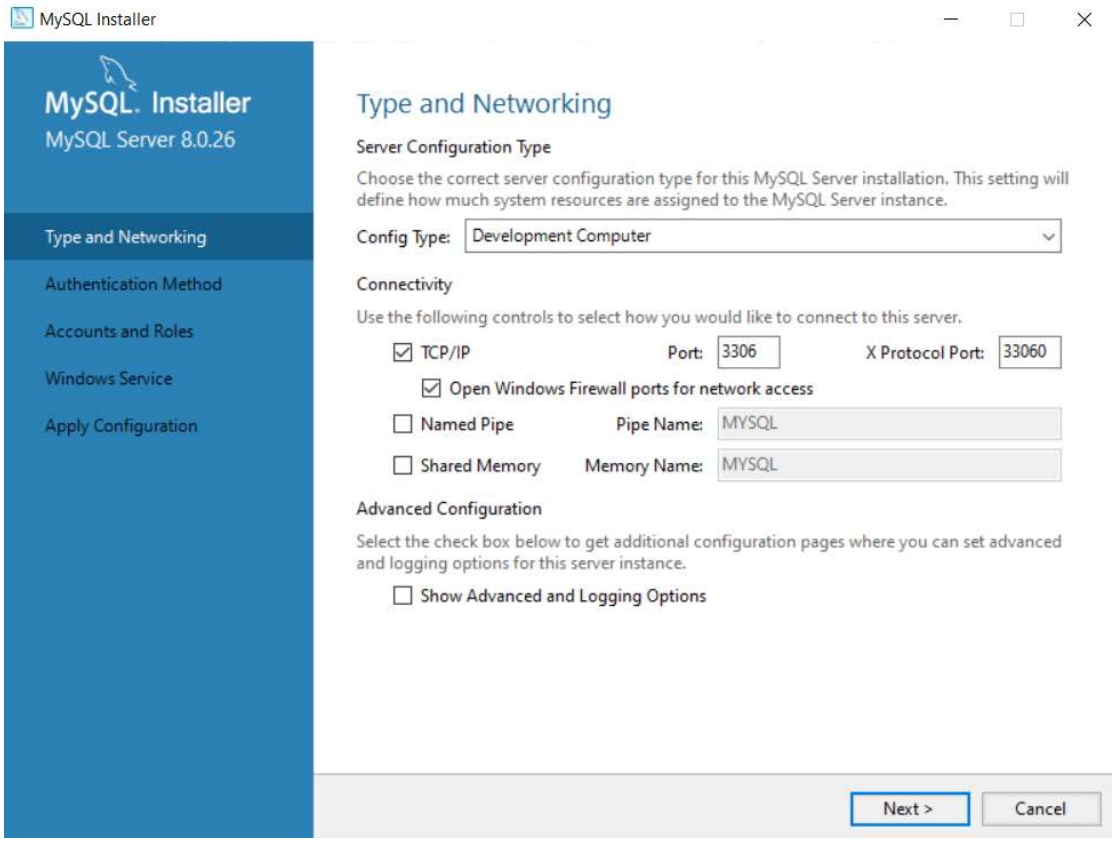

MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Download
Installation
Product Configuration
Installation Complete
Download
The following products will be downloaded.
Product
Status
Progress
Notes
MySQL Server 8.0.26
MySQL Workbench 8.0.26
MySQL Shell 8.0.26
MySQL Router 8.0.26
Connector/ODBC 8.0.26
Connector/C++ 8.0.26
Connector/J 8.0.26
Connector/NET 8.0.26
MySQL Documentation 8.0.26
Samples and Examples 8.0.26
Downloaded
Show Details >
< Back
Next >
Cancel

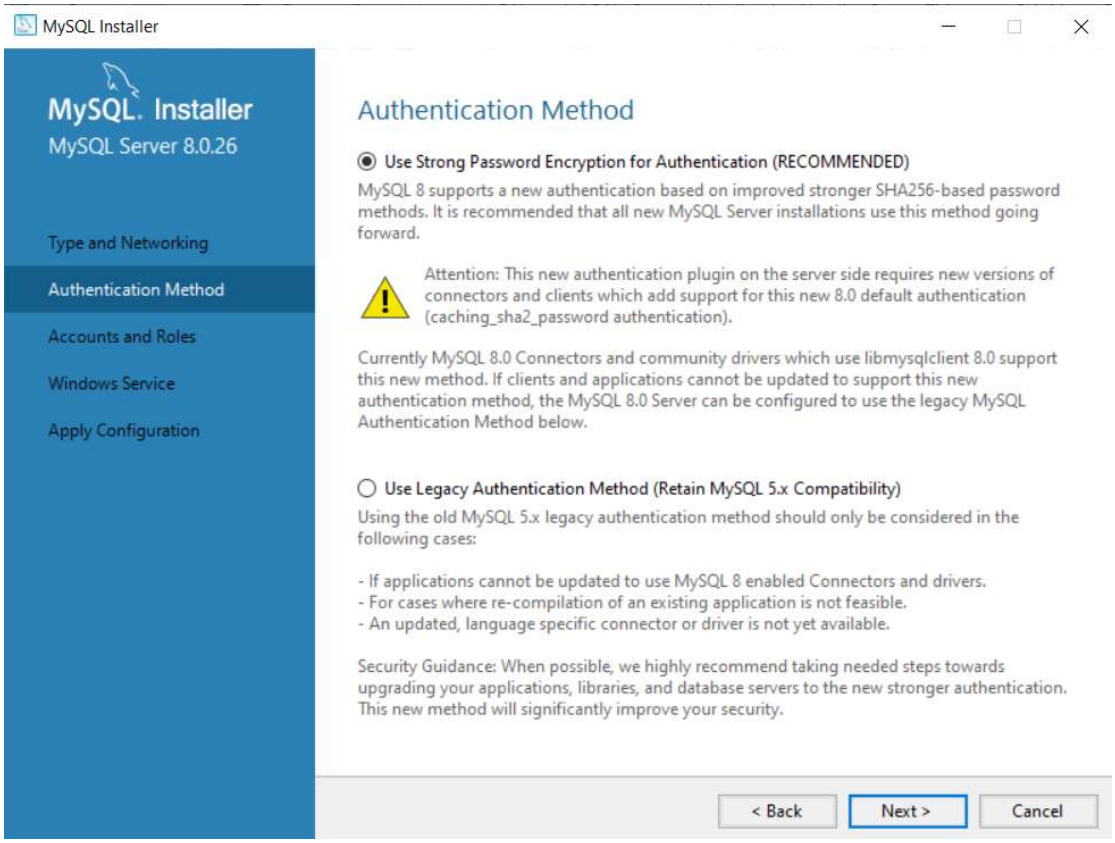

MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Installation
The following products will be installed.
Product
Status
Progress
Notes
MySQL Server 8.0.26
MySQL Workbench 8.0.26
MySQL Shell 8.0.26
MySQL Router 8.0.26
Connector/ODBC 8.0.26
Connector/C++ 8.0.26
Connector/J 8.0.26
Connector/NET 8.0.26
MySQL Documentation 8.0.26
Samples and Examples 8.0.26
Ready to Install
Click [Execute] to install the following packages.
< Back
Execute
Cancel

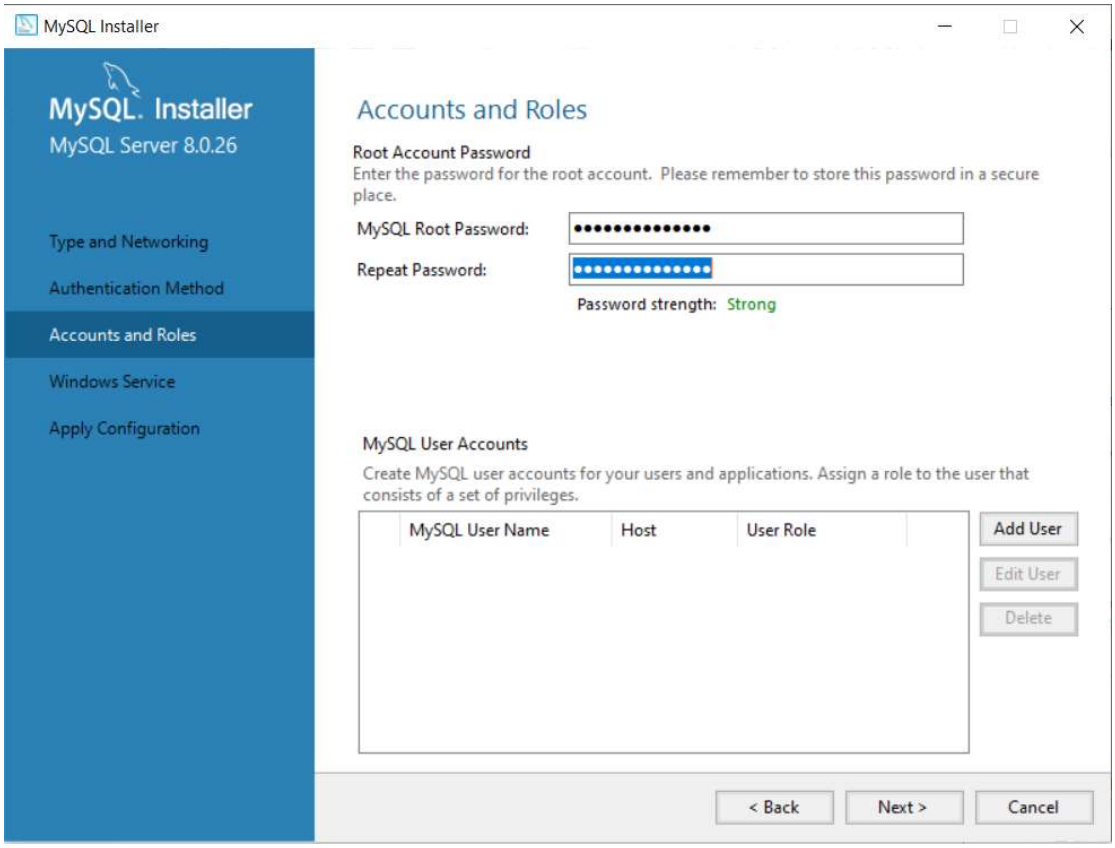
Execute.


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Installation
The following products will be installed.
Product
Status
Progress
Notes
MySQL Server 8.0.26
Complete
MySQL Workbench 8.0.26
Complete
MySQL Shell 8.0.26
Complete
MySQL Router 8.0.26
Complete
Connector/ODBC 8.0.26
Complete
Connector/C++ 8.0.26
Complete
Connector/J 8.0.26
Complete
Connector/NET 8.0.26
Complete
MySQL Documentation 8.0.26
Complete
Samples and Examples 8.0.26
Complete
Show Details >
< Back
Next >
Cancel

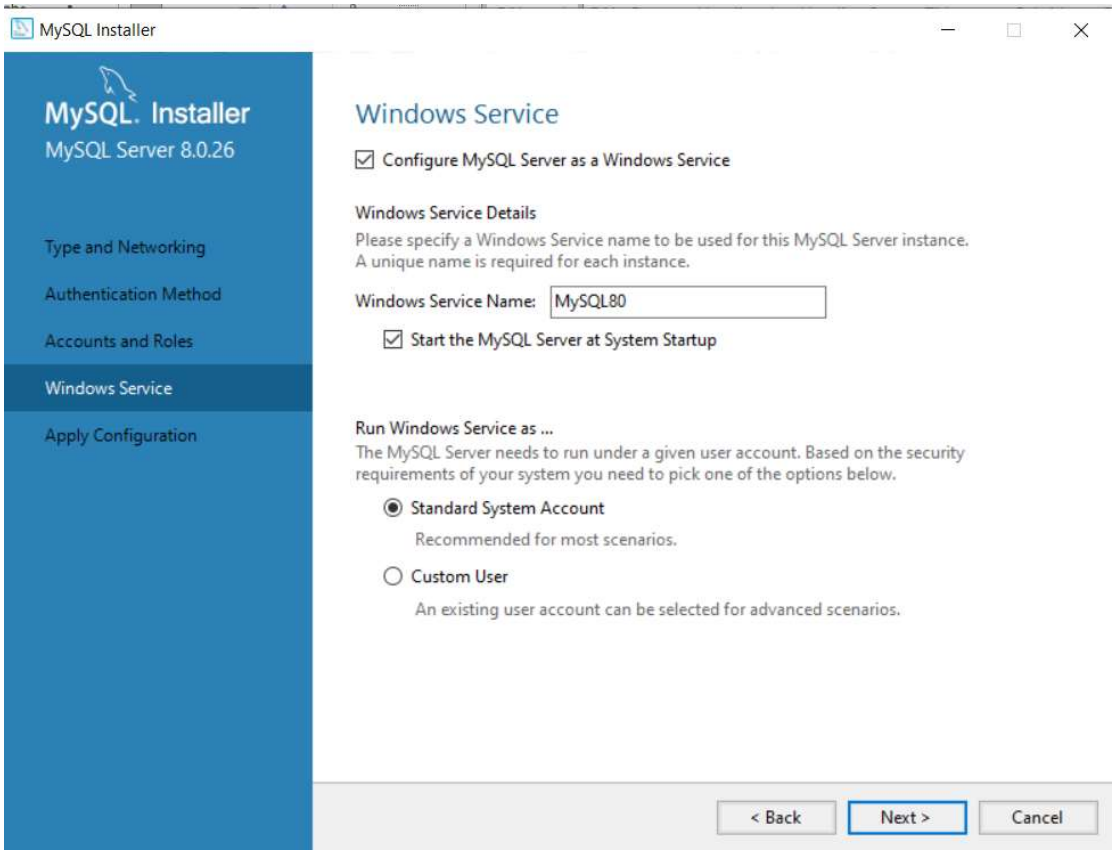

MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Product Configuration
We'll now walk through a configuration wizard for each of the following products.
You can cancel at any point if you wish to leave this wizard without configuring all the products.
Product
Status
MySQL Server 8.0.26
Ready to configure
MySQL Router 8.0.26
Ready to configure
Samples and Examples 8.0.26
Ready to configure
Next >
Cancel

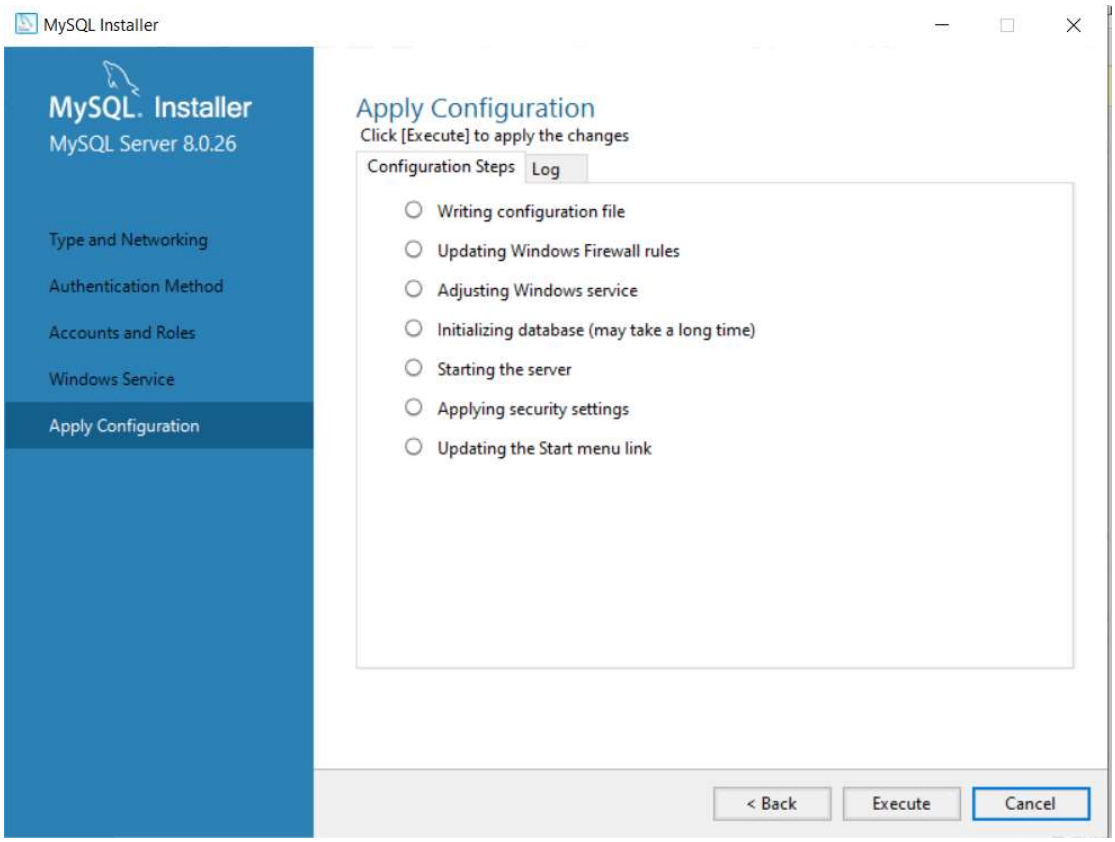

MySQL Installer
MySQL. Installer
MySQL Server 8.0.26
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Type and Networking
Server Configuration Type
Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Config Type: Development Computer
Connectivity
Use the following controls to select how you would like to connect to this server.
TCP/IP
Port: 3306
X Protocol Port: 33060
Open Windows Firewall ports for network access
Named Pipe
Pipe Name: MYSQL
Shared Memory
Memory Name: MYSQL
Advanced Configuration
Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.
Show Advanced and Logging Options
Next >
Cancel

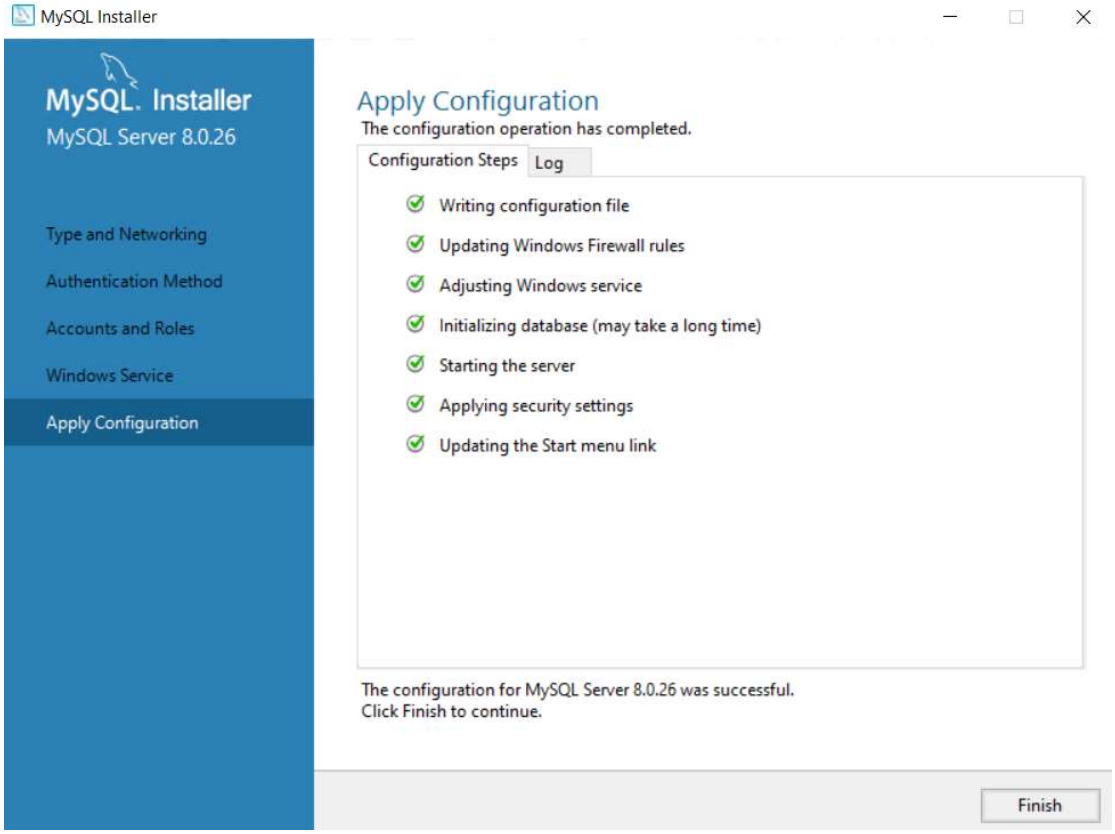

MySQL Installer
MySQL. Installer
MySQL Server 8.0.26
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Authentication Method
Use Strong Password Encryption for Authentication (RECOMMENDED)
MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going forward.
Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching_sha2_password authentication).
Currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL Authentication Method below.
Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)
Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:
- If applications cannot be updated to use MySQL 8 enabled Connectors and drivers.
- For cases where re-compilation of an existing application is not feasible.
- An updated, language specific connector or driver is not yet available.
Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.
< Back
Next >
Cancel

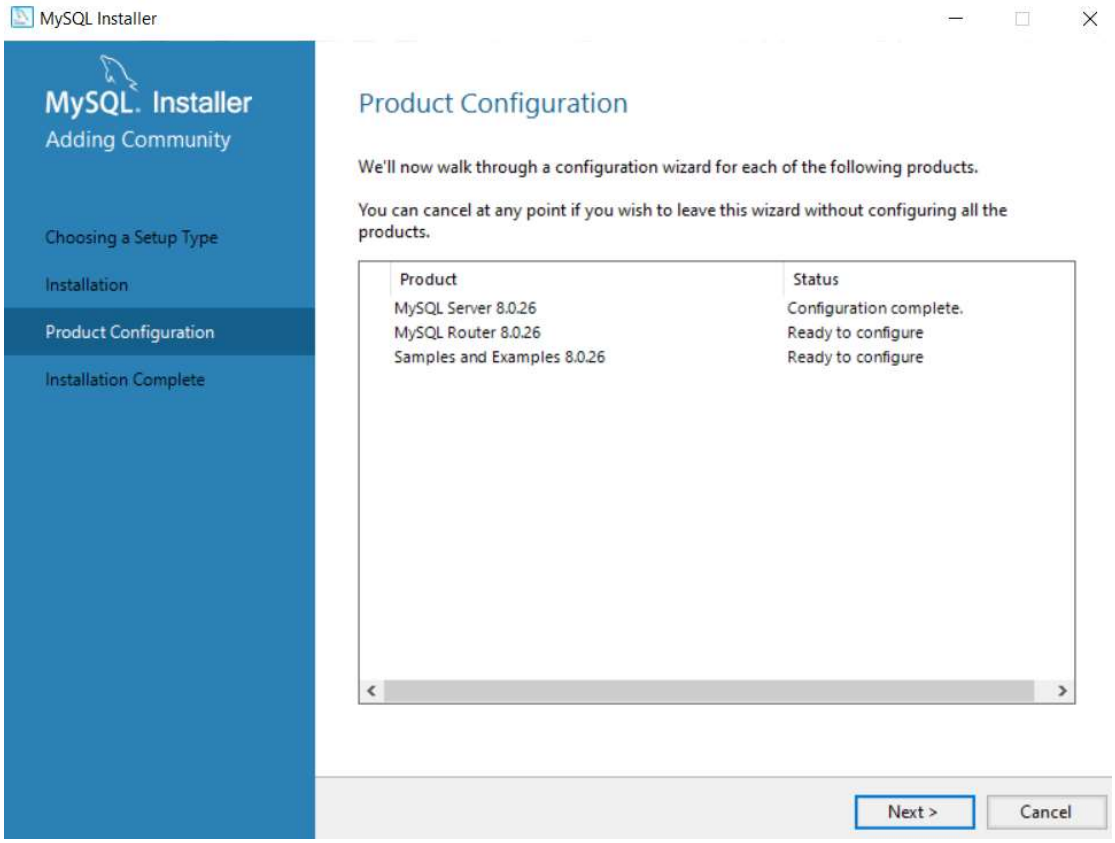


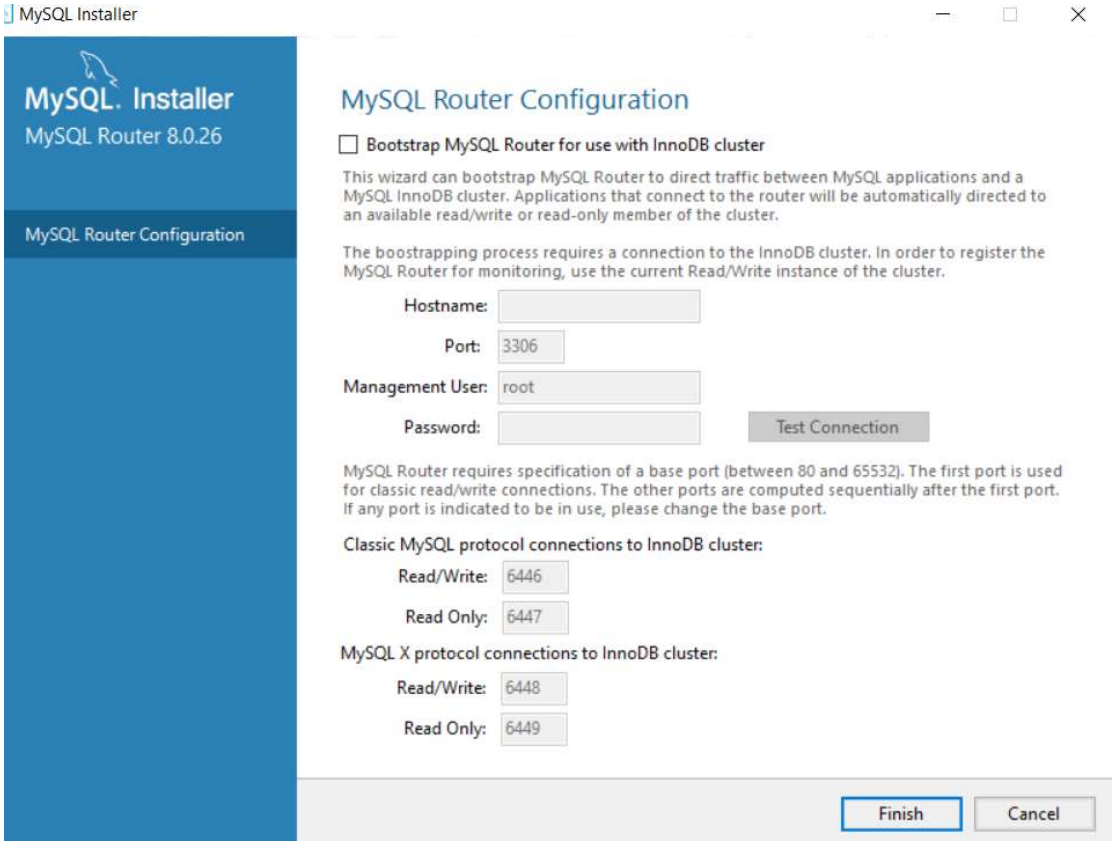

Set a strong password otherwise communication might fail ->Password123#@!

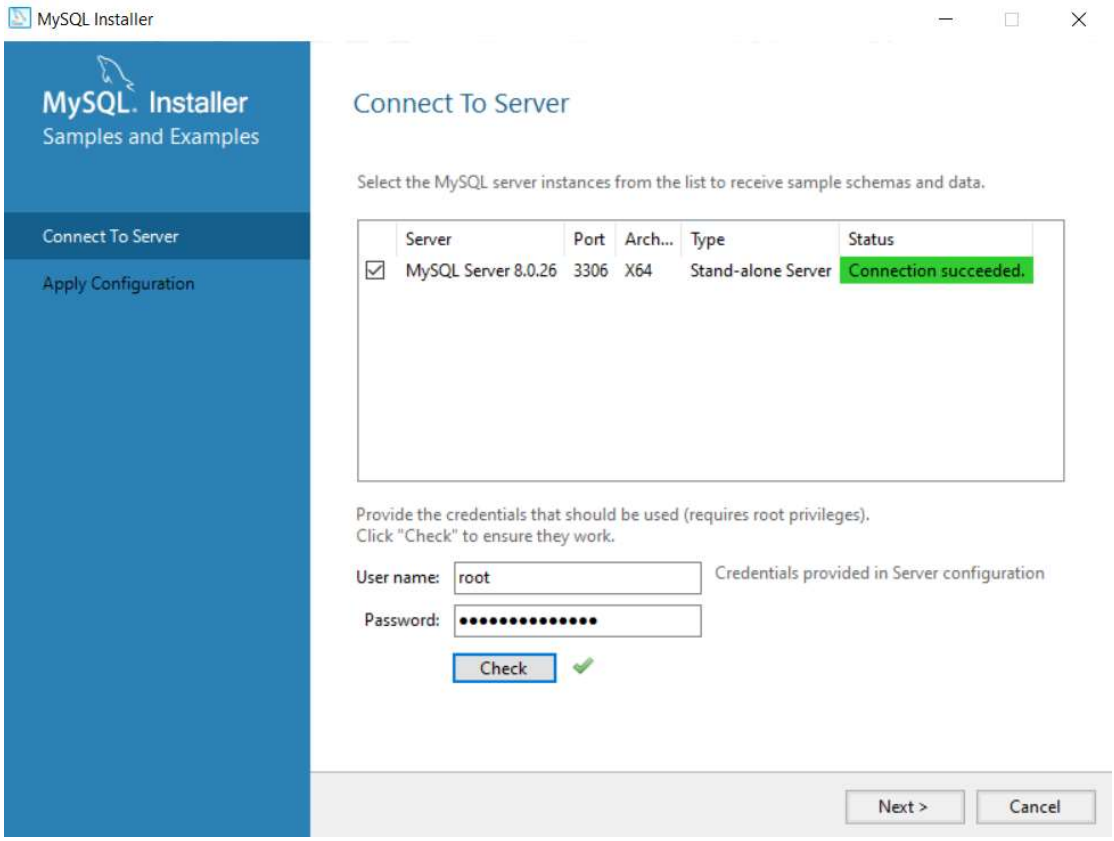


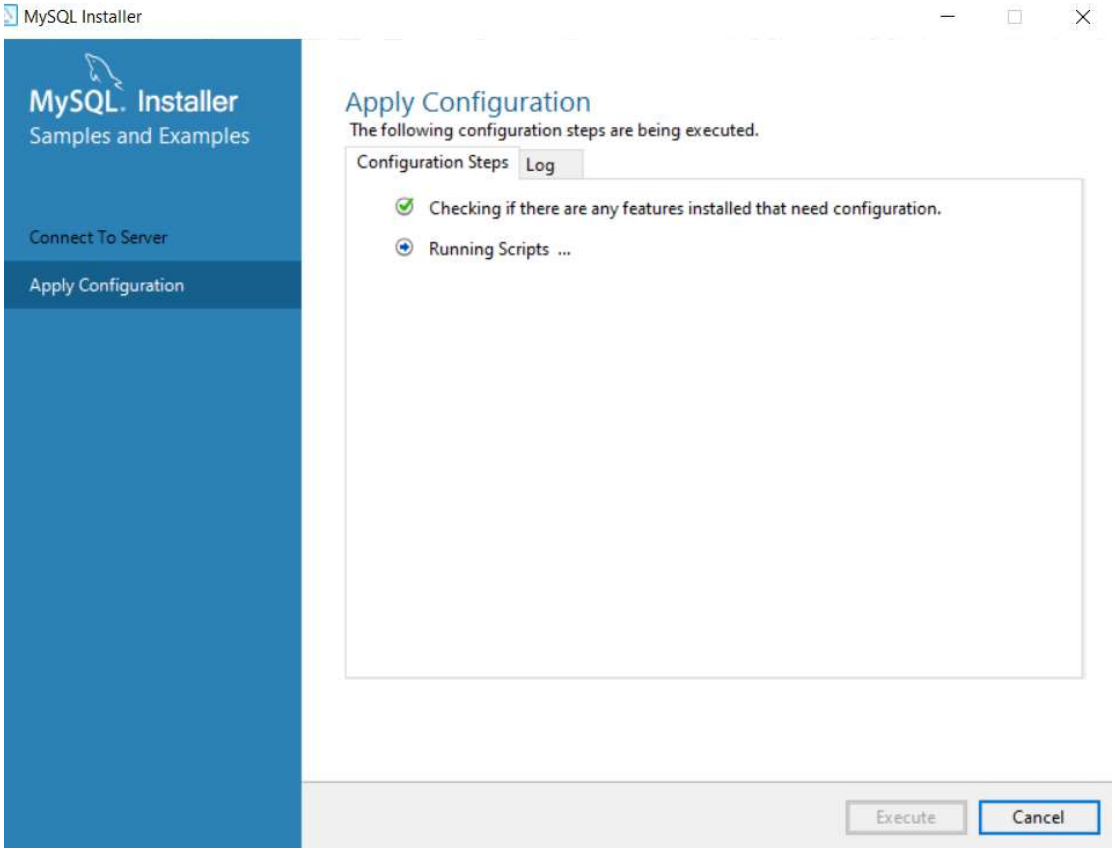

MySQL Installer
MySQL. Installer
MySQL Server 8.0.26
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Apply Configuration
Click [Execute] to apply the changes
Configuration Steps
Log
Writing configuration file
Updating Windows Firewall rules
Adjusting Windows service
Initializing database (may take a long time)
Starting the server
Applying security settings
Updating the Start menu link
< Back
Execute
Cancel

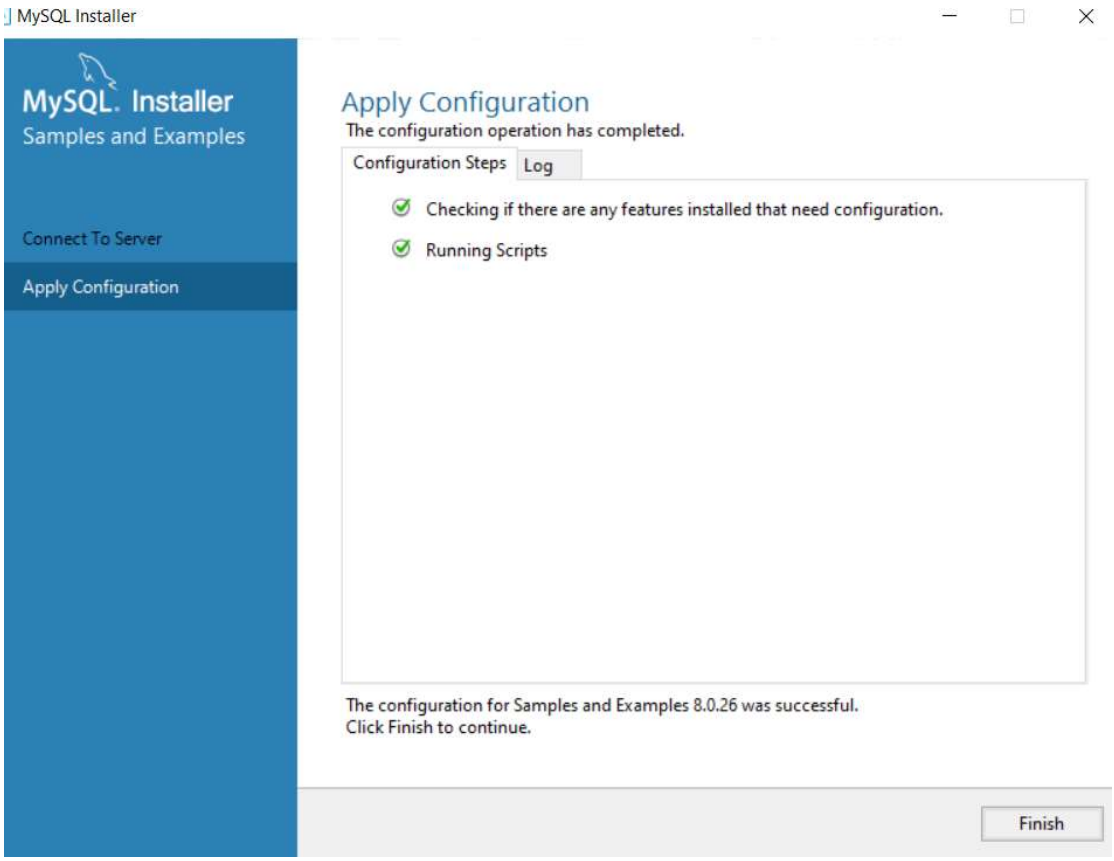

MySQL Installer
MySQL. Installer
MySQL Server 8.0.26
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Apply Configuration
The configuration operation has completed.
Configuration Steps
Log
Writing configuration file
Updating Windows Firewall rules
Adjusting Windows service
Initializing database (may take a long time)
Starting the server
Applying security settings
Updating the Start menu link
The configuration for MySQL Server 8.0.26 was successful.
Click Finish to continue.
Finish


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Product Configuration
We'll now walk through a configuration wizard for each of the following products.
You can cancel at any point if you wish to leave this wizard without configuring all the products.
Product
Status
MySQL Server 8.0.26
Configuration complete.
MySQL Router 8.0.26
Ready to configure
Samples and Examples 8.0.26
Ready to configure
Next >
Cancel


MySQL Installer
MySQL. Installer
MySQL Router 8.0.26
MySQL Router Configuration
MySQL Router Configuration
Bootstrap MySQL Router for use with InnoDB cluster
This wizard can bootstrap MySQL Router to direct traffic between MySQL applications and a MySQL InnoDB cluster. Applications that connect to the router will be automatically directed to an available read/write or read-only member of the cluster.
The boostrapping process requires a connection to the InnoDB cluster. In order to register the MySQL Router for monitoring, use the current Read/Write instance of the cluster.
Hostname:
Port: 3306
Management User: root
Password:
Test Connection
MySQL Router requires specification of a base port (between 80 and 65532). The first port is used for classic read/write connections. The other ports are computed sequentially after the first port. If any port is indicated to be in use, please change the base port.
Classic MySQL protocol connections to InnoDB cluster:
Read/Write: 6446
Read Only: 6447
MySQL X protocol connections to InnoDB cluster:
Read/Write: 6448
Read Only: 6449
Finish
Cancel

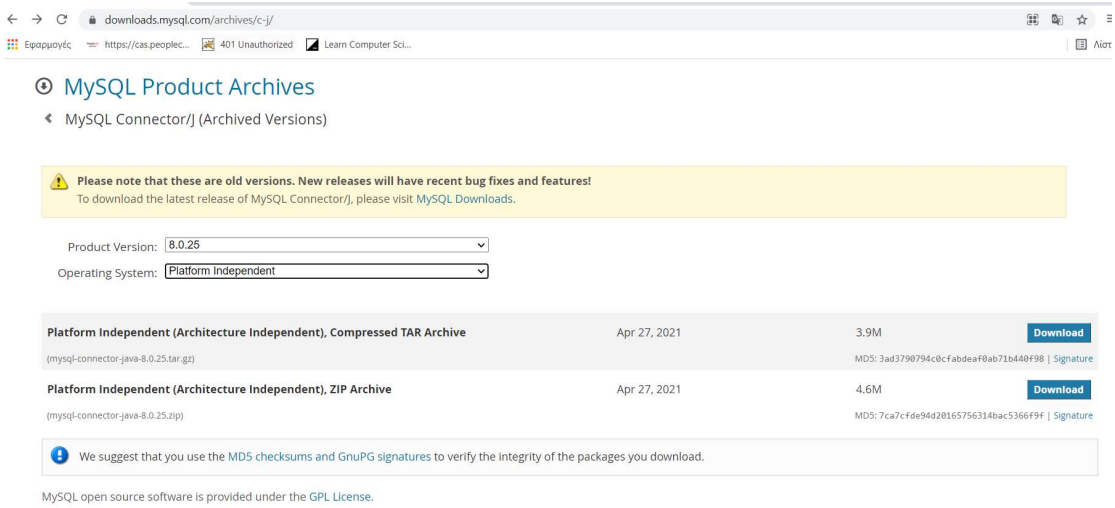

MySQL Installer
MySQL. Installer
Samples and Examples
Connect To Server
Apply Configuration
Connect To Server
Select the MySQL server instances from the list to receive sample schemas and data.
Server
Port
Arch...
Type
Status
MySQL Server 8.0.26
3306
X64
Stand-alone Server
Connection succeeded.
Provide the credentials that should be used (requires root privileges).
Click "Check" to ensure they work.
User name:
root
Credentials provided in Server configuration
Password:
Check
Next >
Cancel

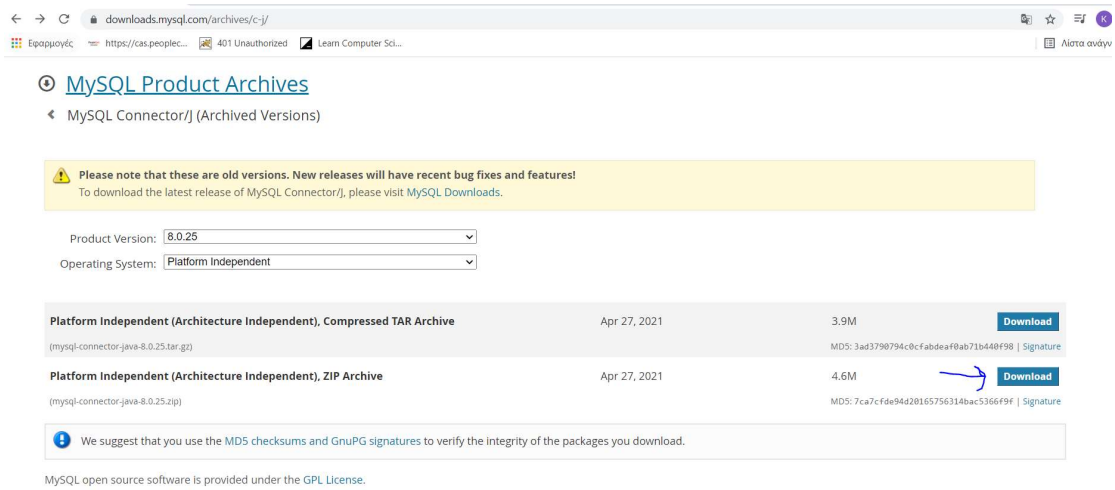

MySQL Installer
MySQL. Installer
Samples and Examples
Connect To Server
Apply Configuration
Apply Configuration
The following configuration steps are being executed.
Configuration Steps
Log
Checking if there are any features installed that need configuration.
Running Scripts ...
Execute
Cancel

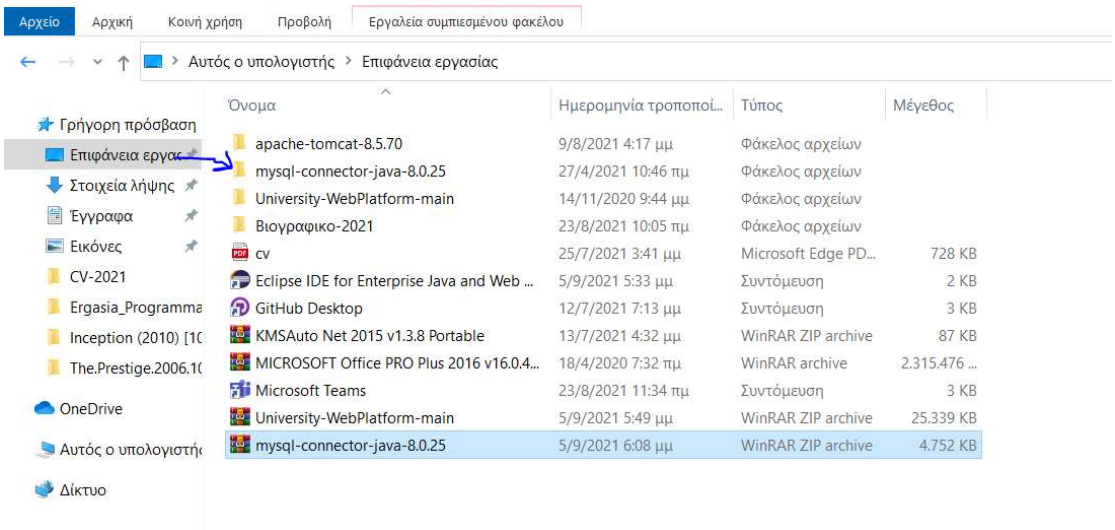



Download Mysql connector.

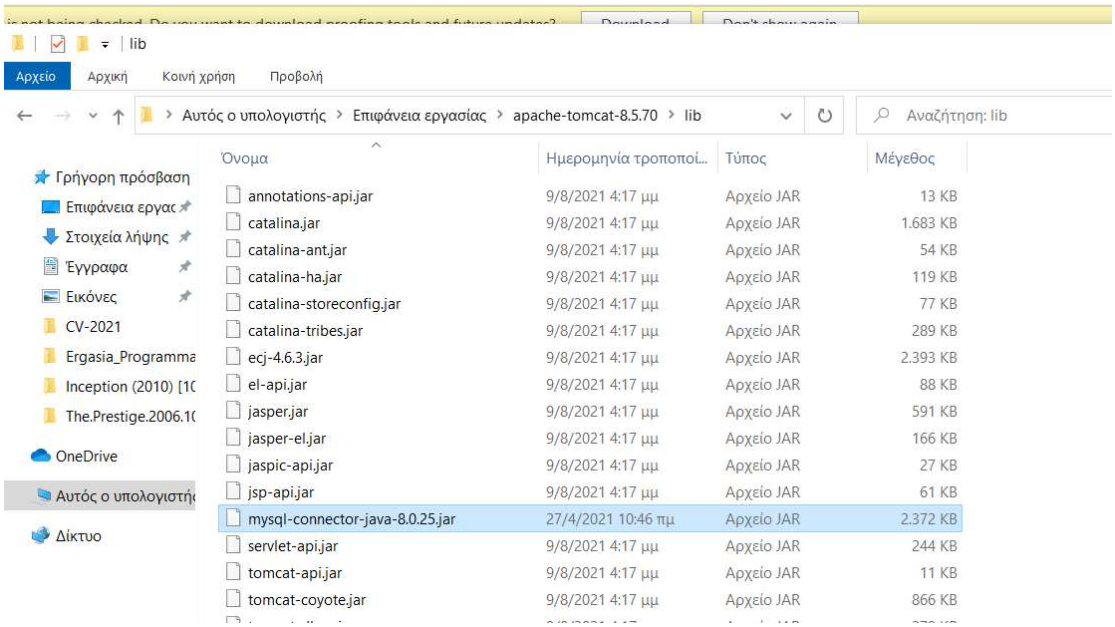
https://downloads.mysql.com/archives/c-j/





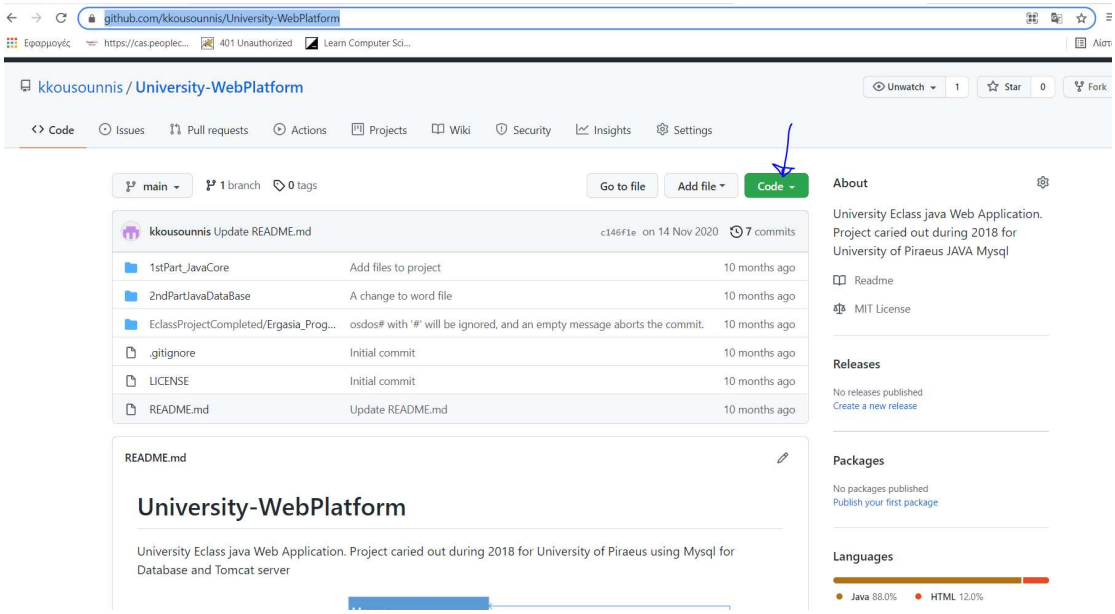



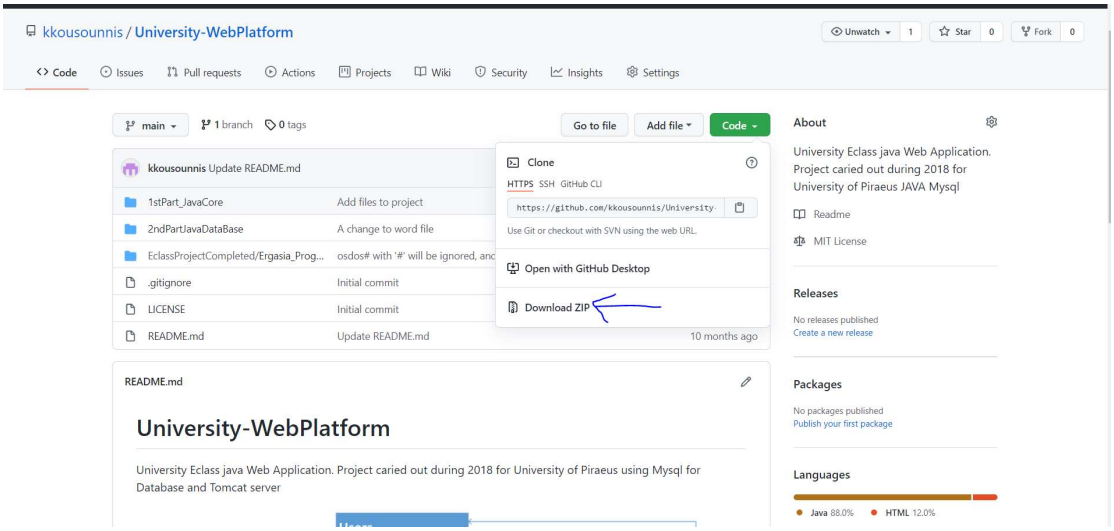

Copy file and paste it under tomcat/lib from the tomcat installation before.



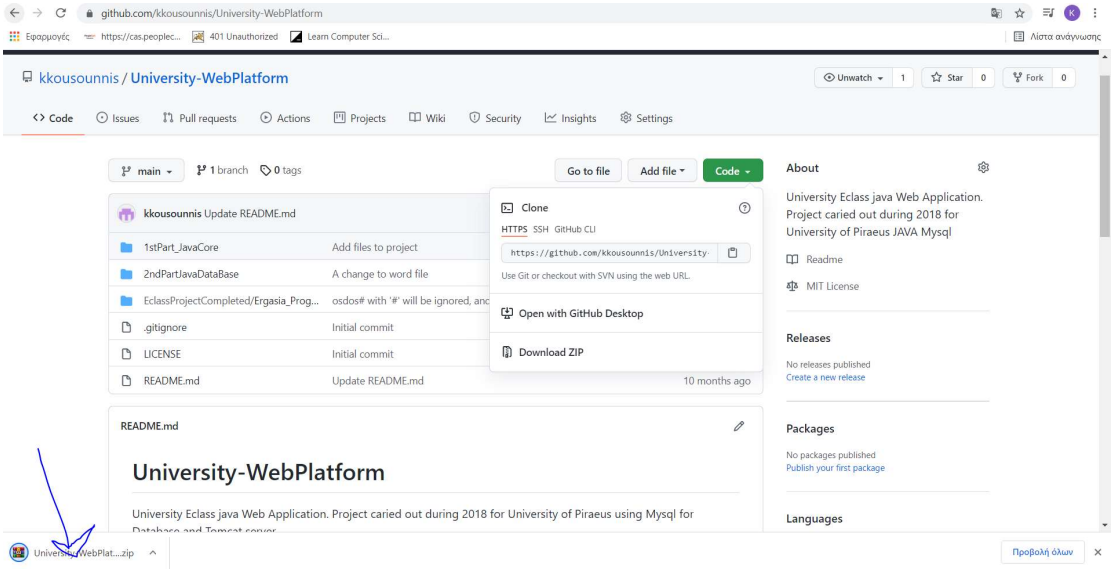

Seting up Project

https://github.com/kkousounnis/University-WebPlatform go to my github account

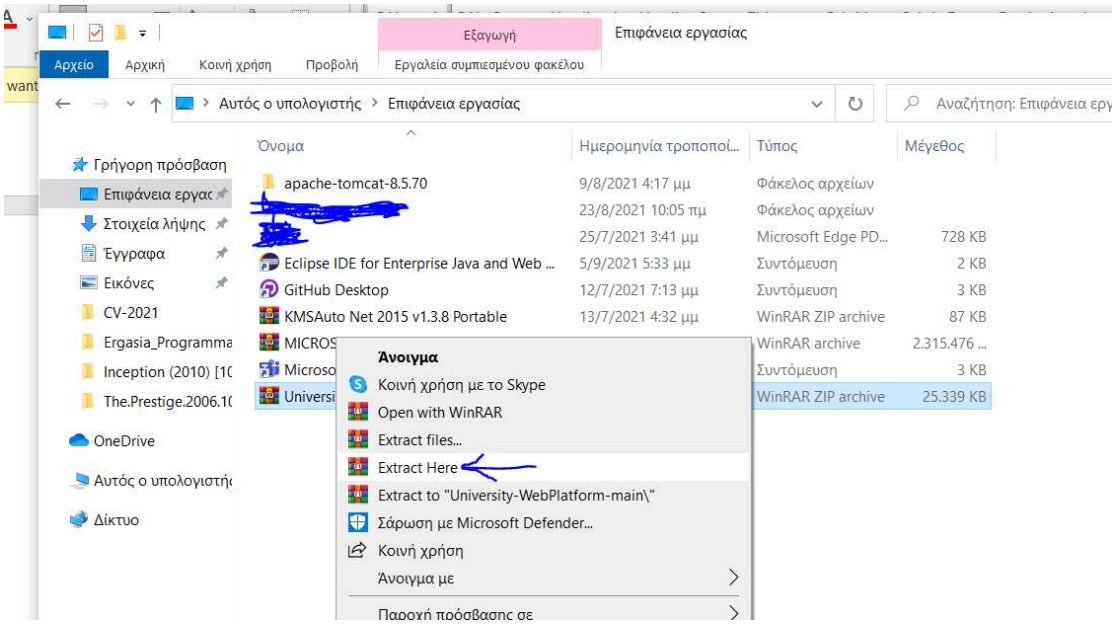




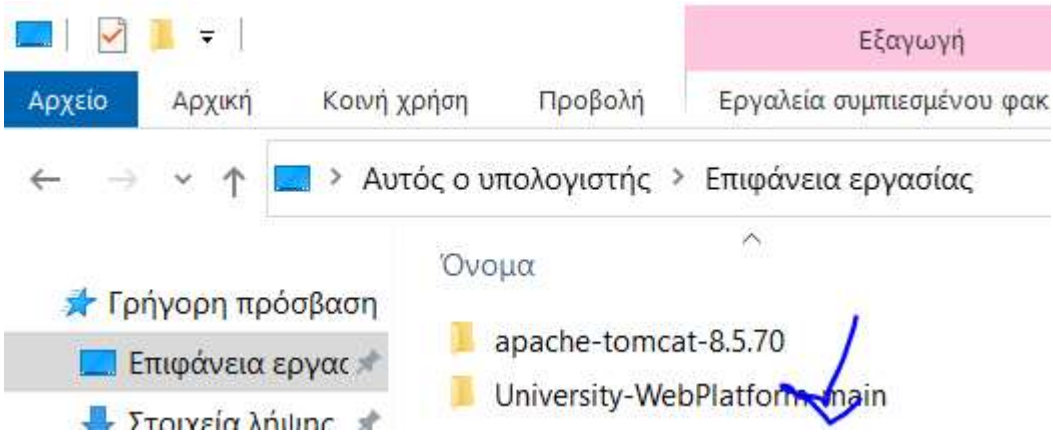

Download Zip



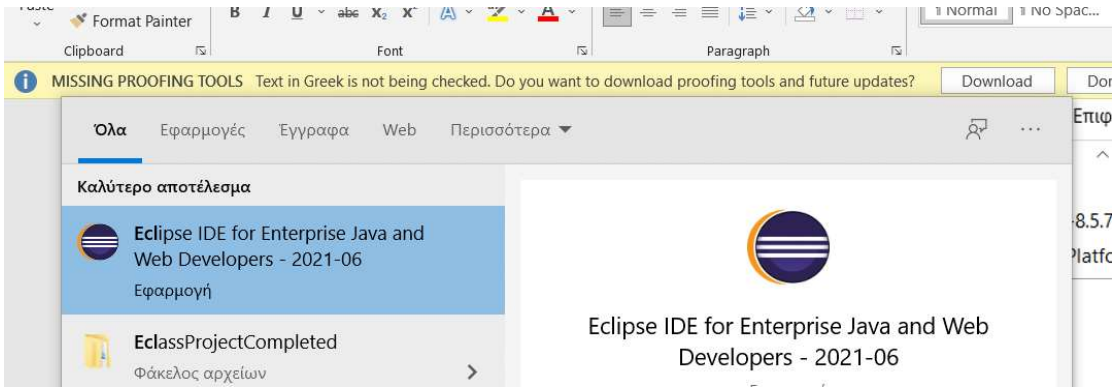

Extract zip file.

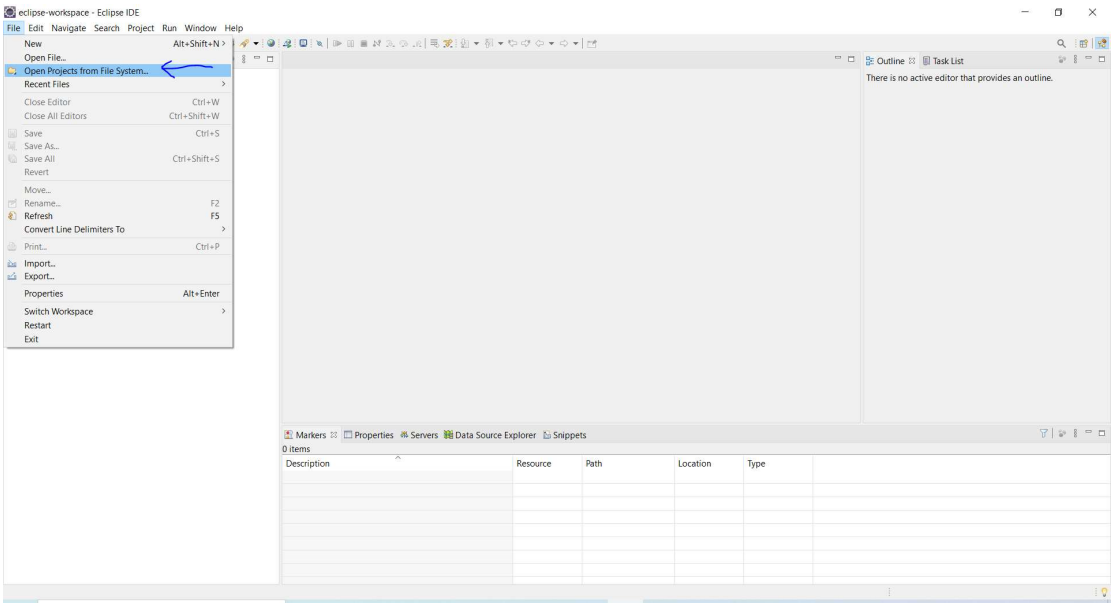


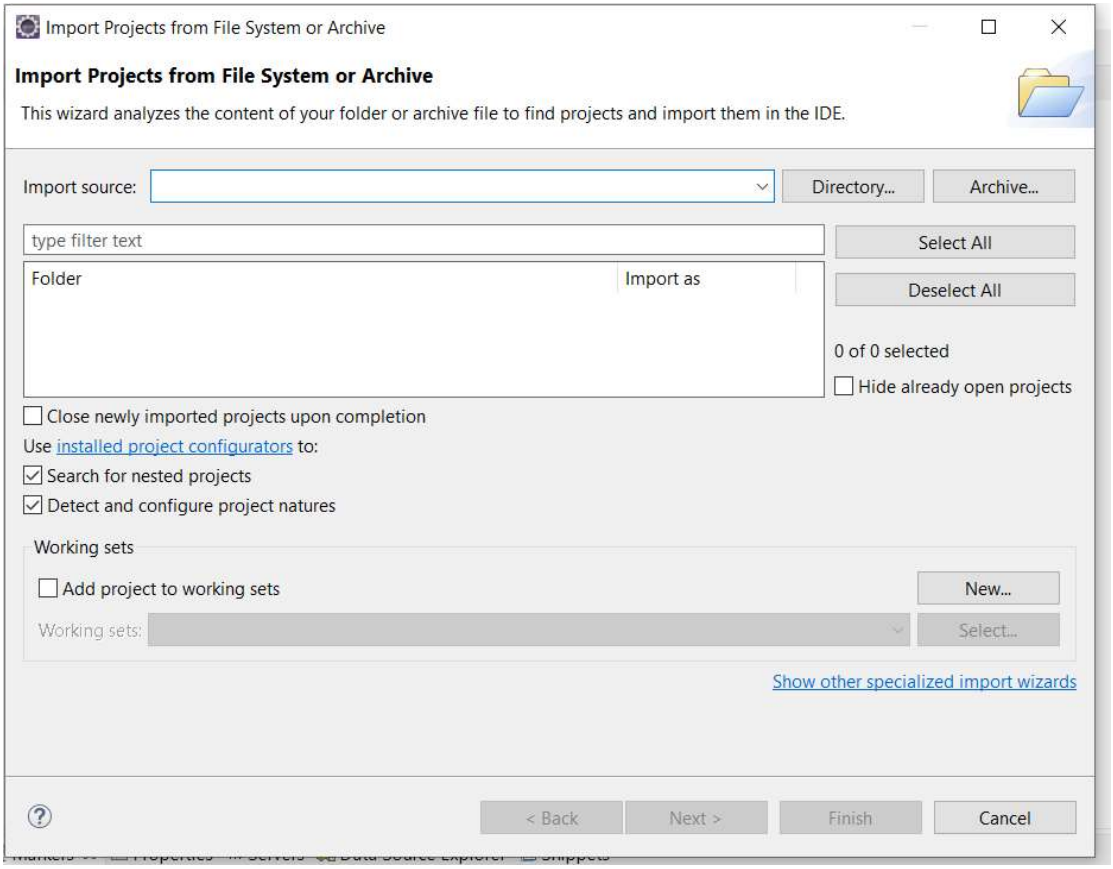

You must have rar program.

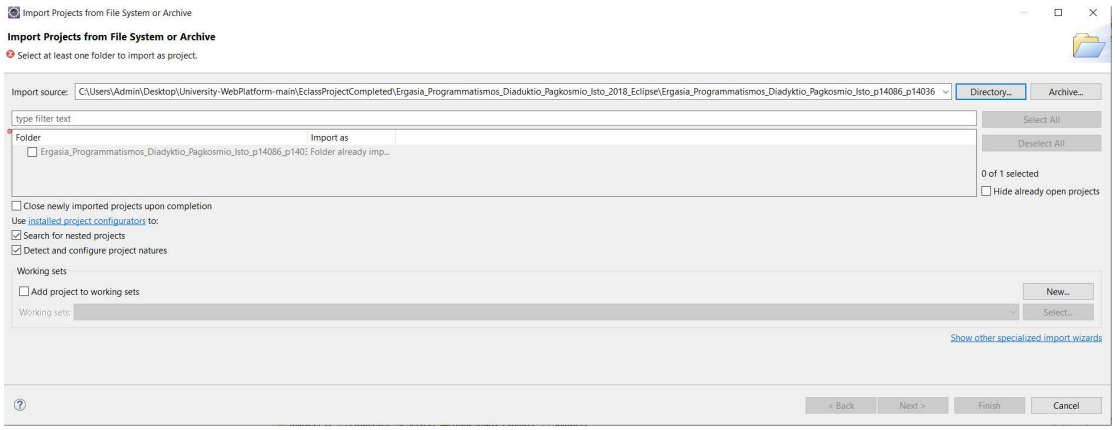


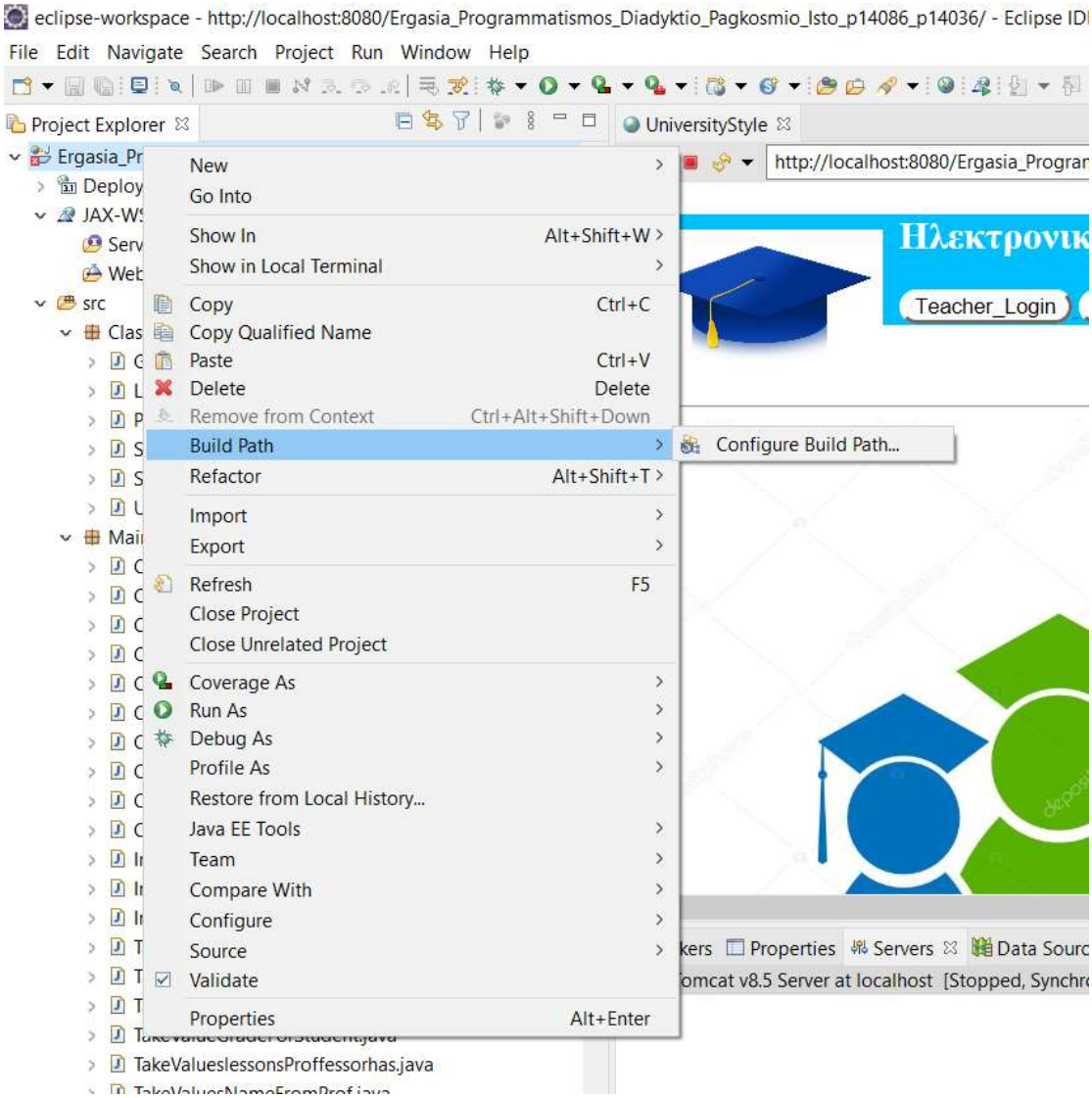

Open Eclipse



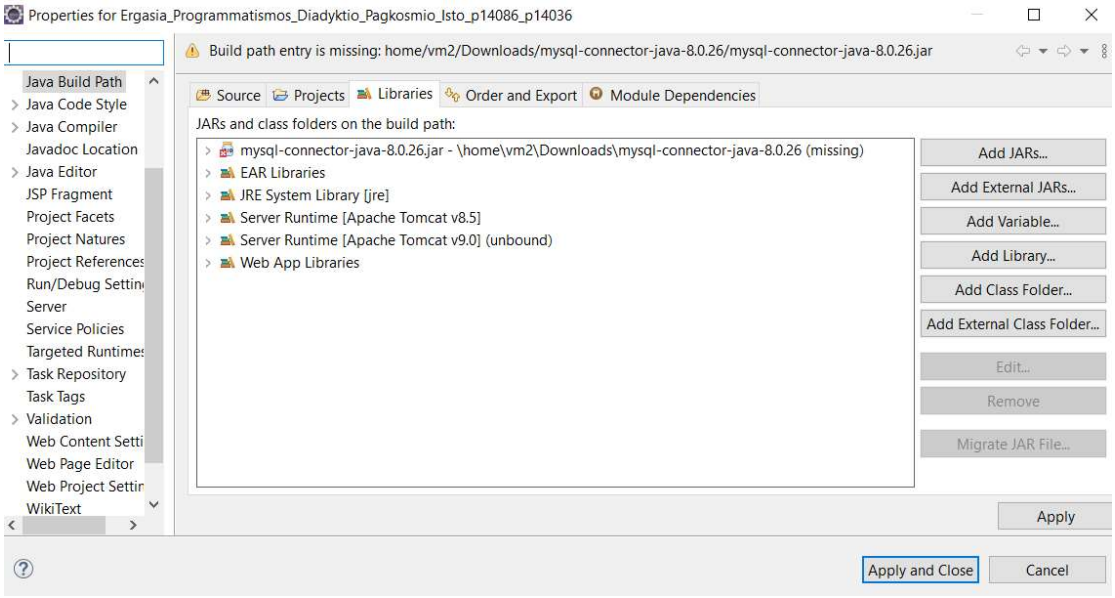

eclipse-workspace - Eclipse IDE
File Edit Navigate Search Project Run Window Help
New Alt+Shift+N
Open File...
Open Projects from File System...
Recent Files
Close Editor Ctrl+W
Close All Editors Ctrl+Shift+W
Save Ctrl+S
Save As...
Save All Ctrl+Shift+S
Revert
Move...
Rename... F2
Refresh F5
Convert Line Delimiters To
Print... Ctrl+P
Import...
Export...
Properties Alt+Enter
Switch Workspace
Restart
Exit
Outline
Task List
There is no active editor that provides an outline.
Markers
Properties
Servers
Data Source Explorer
Snippets
0 items
Description
Resource
Path
Location
Type


Import Projects from File System or Archive
Import Projects from File System or Archive
This wizard analyzes the content of your folder or archive file to find projects and import them in the IDE.
Import source:
Directory...
Archive...
type filter text
Select All
Folder
Import as
Deselect All
0 of 0 selected
Hide already open projects
Close newly imported projects upon completion
Use installed project configurators to:
Search for nested projects
Detect and configure project natures
Working sets
Add project to working sets
New...
Working sets:
Select...
Show other specialized import wizards
< Back
Next >
Finish
Cancel



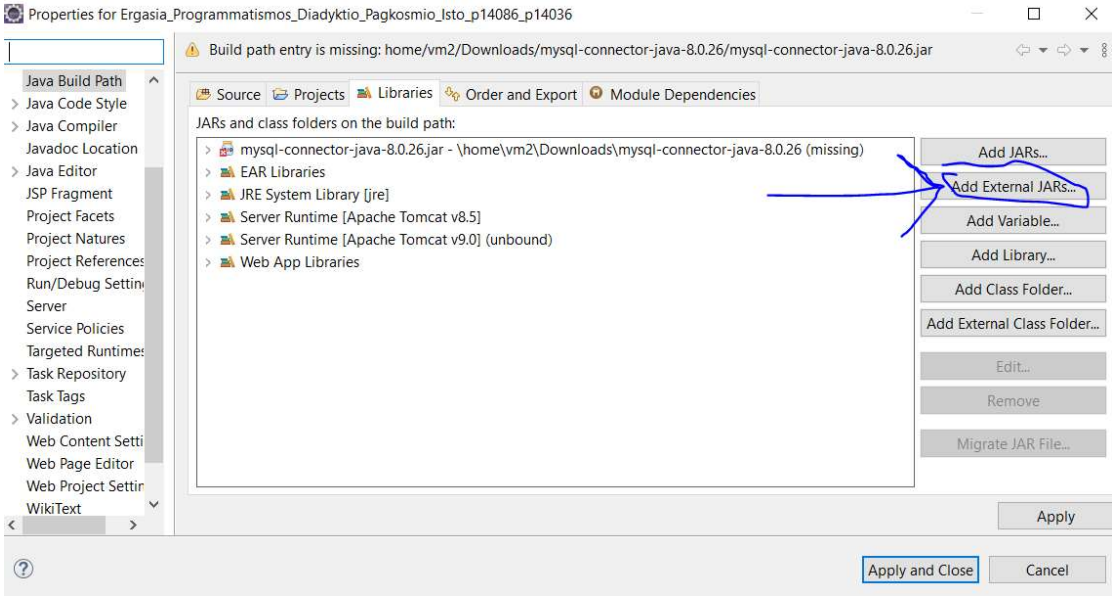



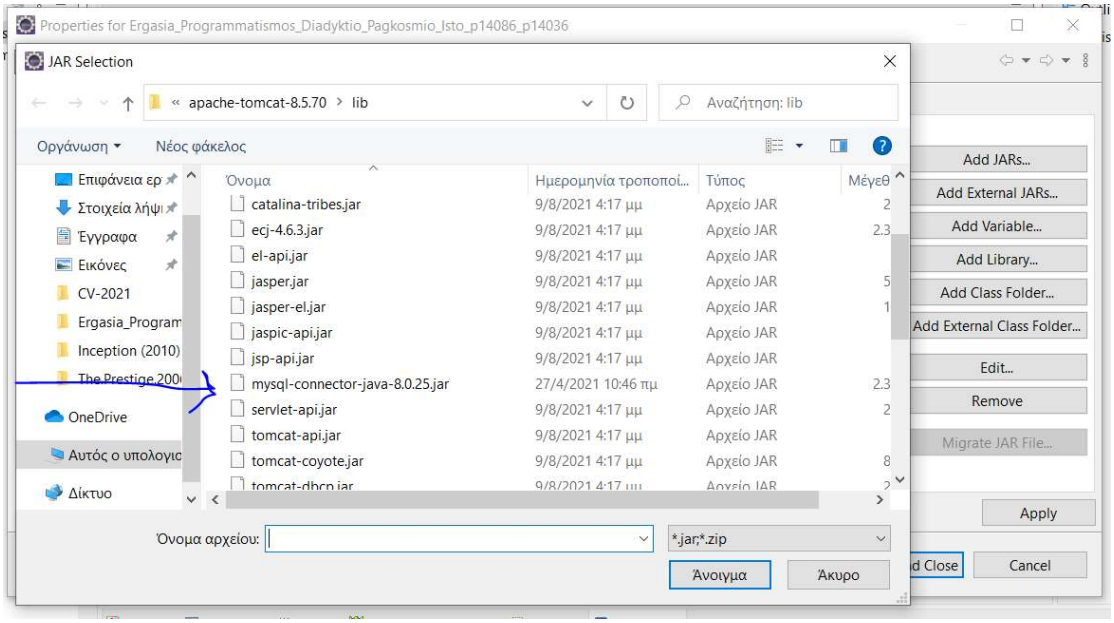

Right click -> Build Path->Configure Build Path



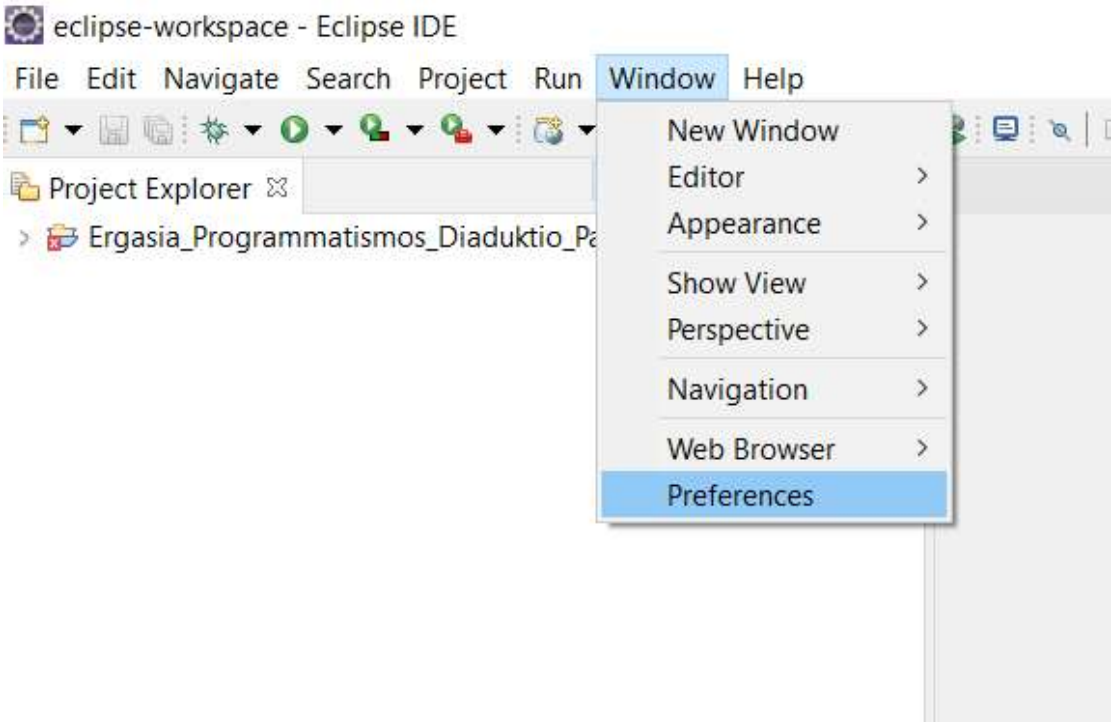

Remove mysql-connector-java-8.0.26.jar since the path is not right.

## Add External Jars

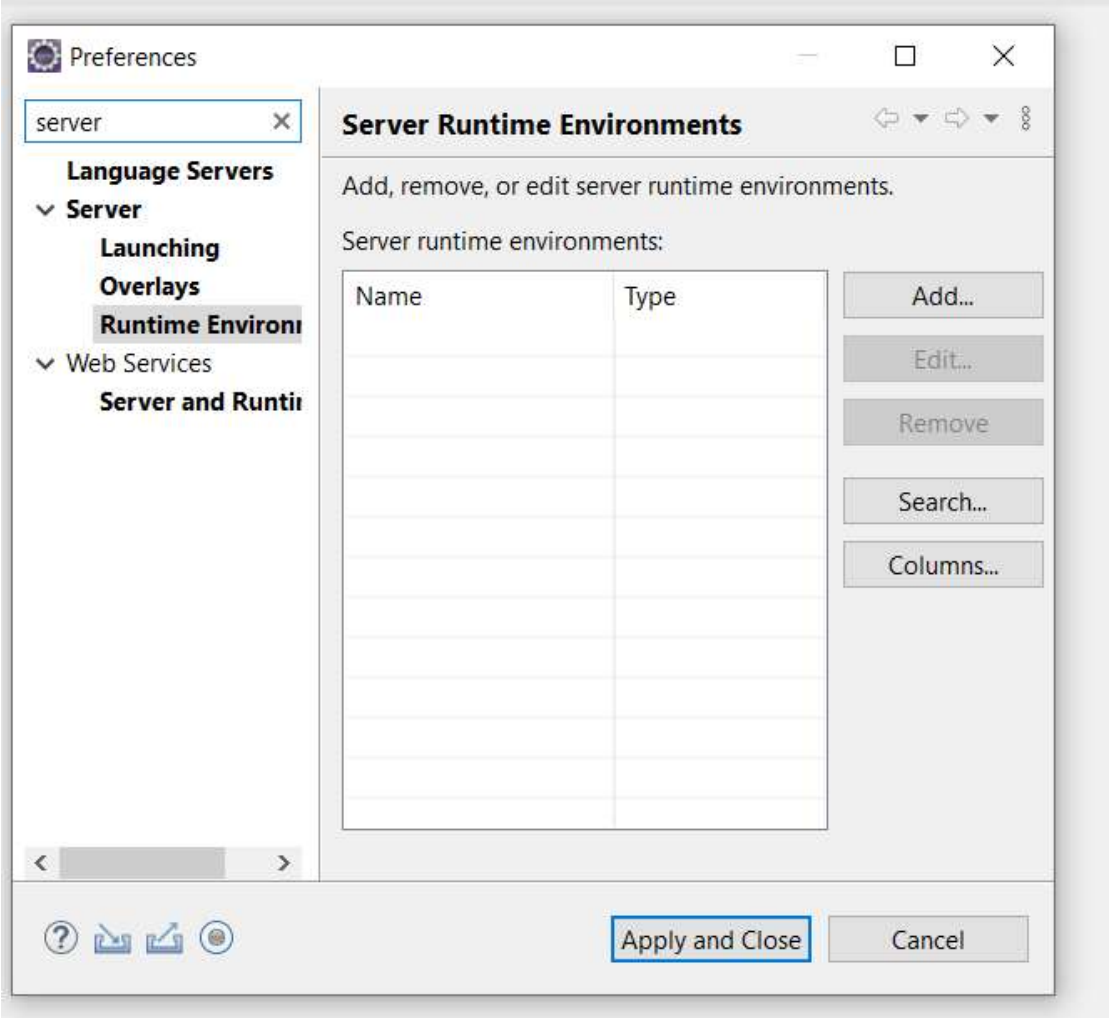


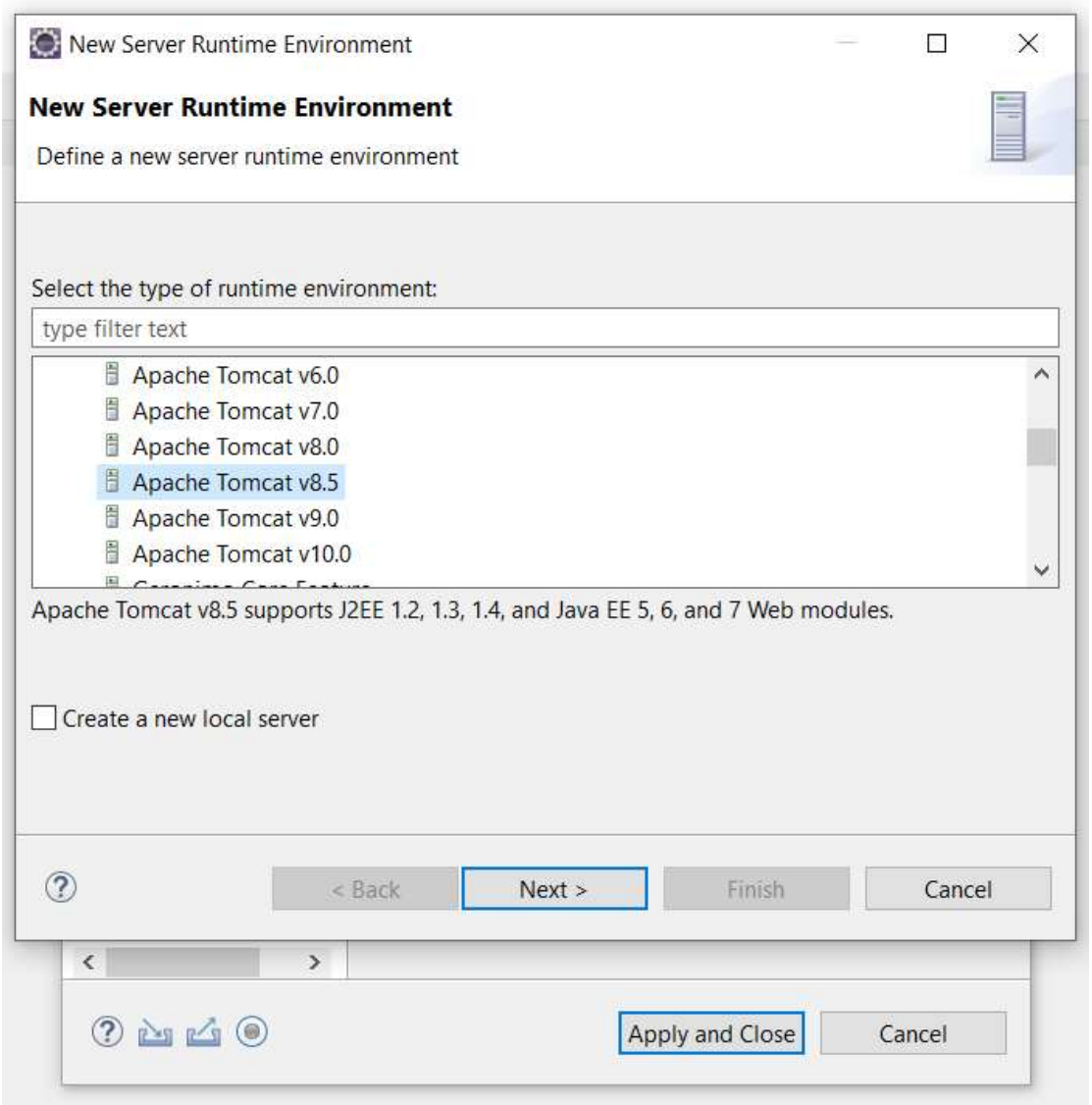


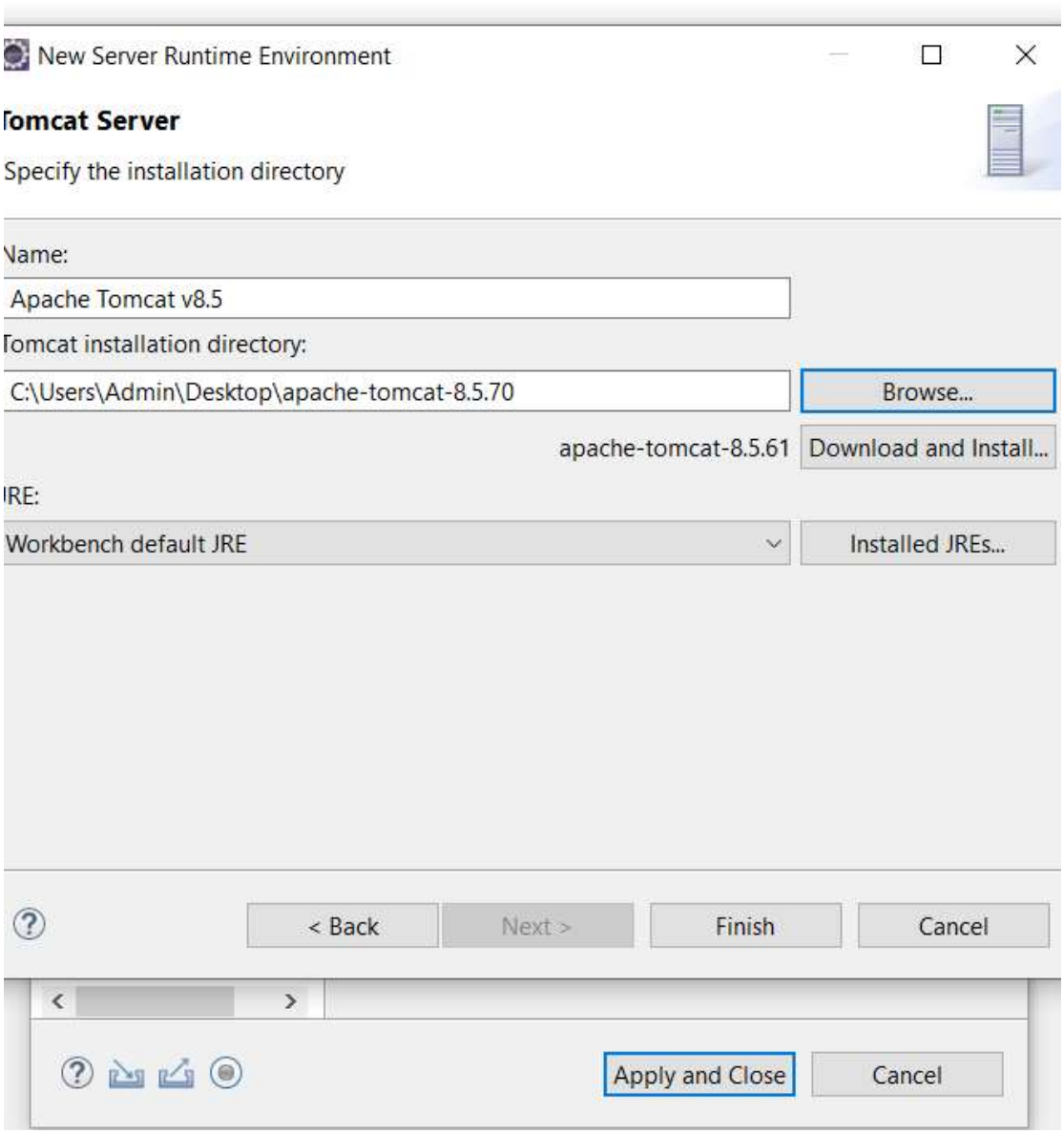

Set Up the Installed tomcat.



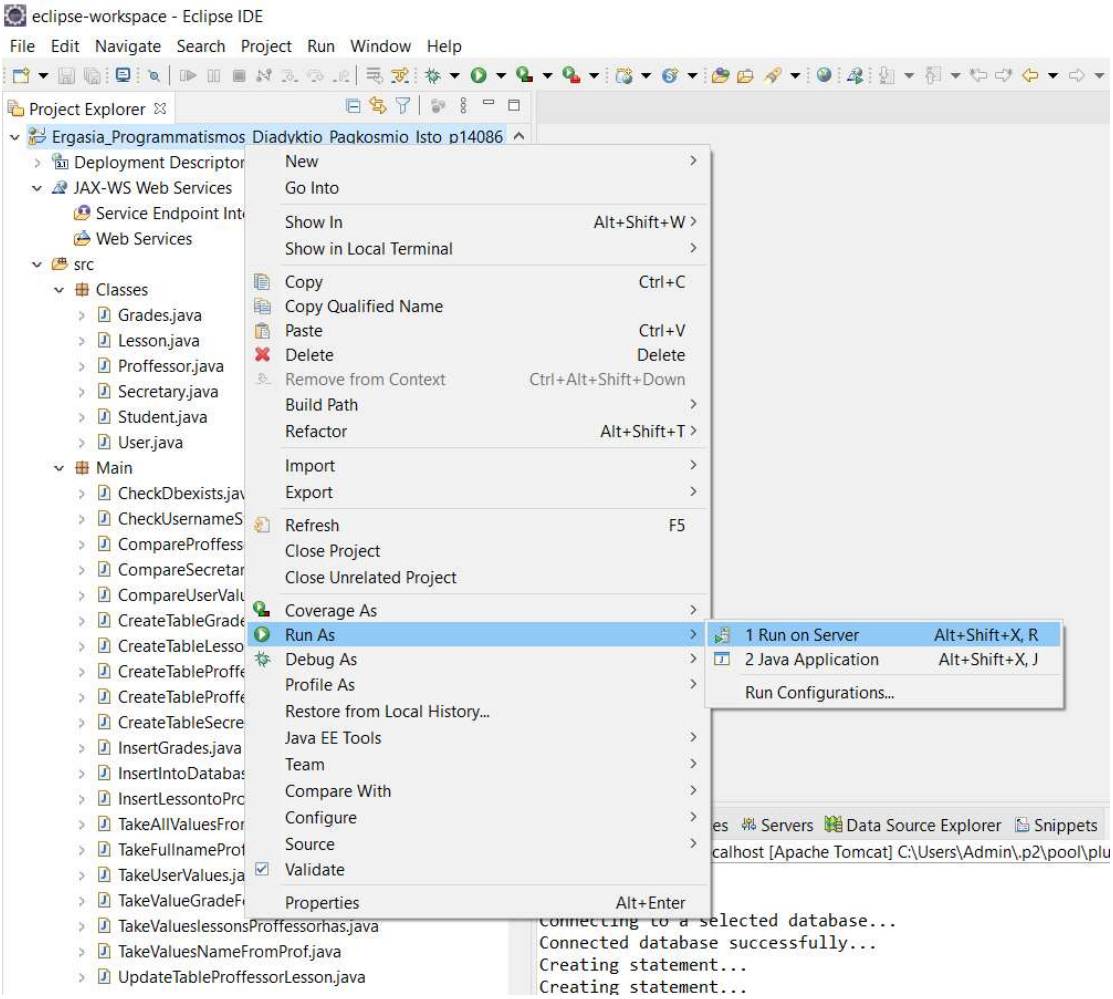

Window->Preferences


Preferences
server
Language Servers
Server
Launching
Overlays
Runtime Environi
Web Services
Server and Runti
Server Runtime Environments
Add, remove, or edit server runtime environments.
Server runtime environments:
Name
Type
Add...
Edit...
Remove
Search...
Columns...
Apply and Close
Cancel

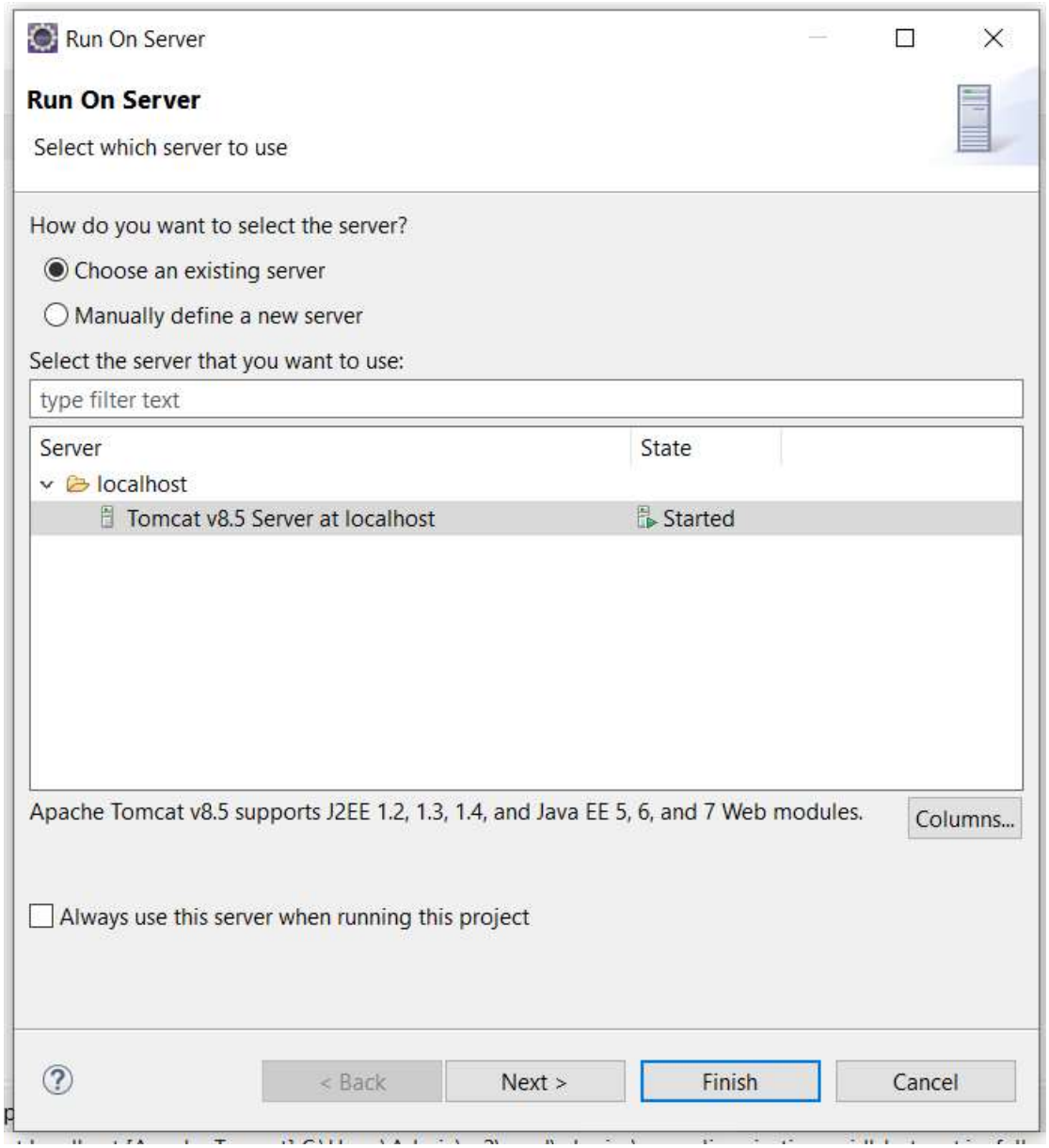

New Server Runtime Environment
New Server Runtime Environment
Define a new server runtime environment
Select the type of runtime environment:
type filter text
Apache Tomcat v6.0
Apache Tomcat v7.0
Apache Tomcat v8.0
Apache Tomcat v8.5
Apache Tomcat v9.0
Apache Tomcat v10.0
Apache Tomcat v8.5 supports J2EE 1.2, 1.3, 1.4, and Java EE 5, 6, and 7 Web modules.
Create a new local server
< Back
Next >
Finish
Cancel
Apply and Close
Cancel

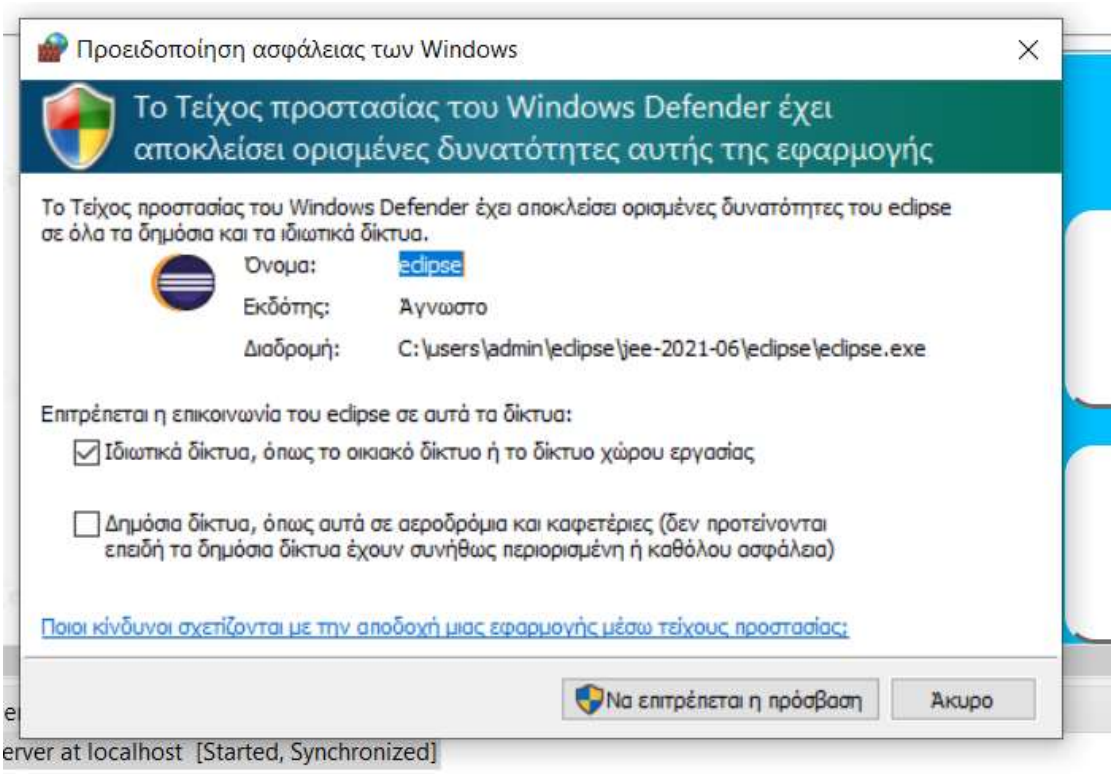



Finish->Apply and Close.

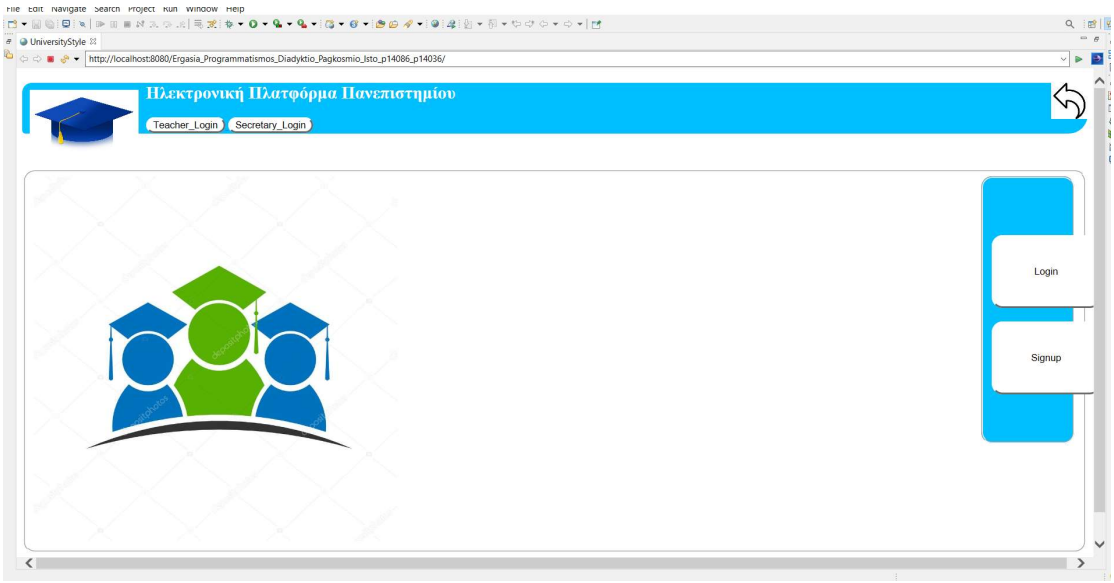



Right click Run As->Run On Server

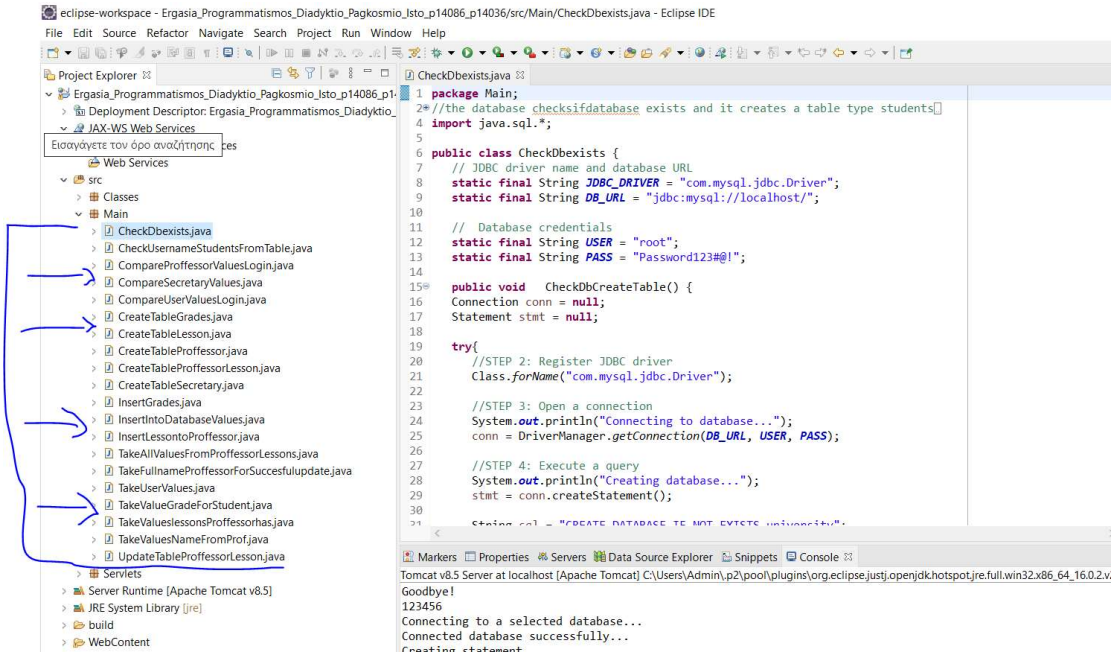

Run On Server
Run On Server
Select which server to use
How do you want to select the server?
Choose an existing server
Manually define a new server
Select the server that you want to use:
type filter text
Server
State
localhost
Tomcat v8.5 Server at localhost
Started
Apache Tomcat v8.5 supports J2EE 1.2, 1.3, 1.4, and Java EE 5, 6, and 7 Web modules.
Columns...
Always use this server when running this project
< Back
Next >
Finish
Cancel



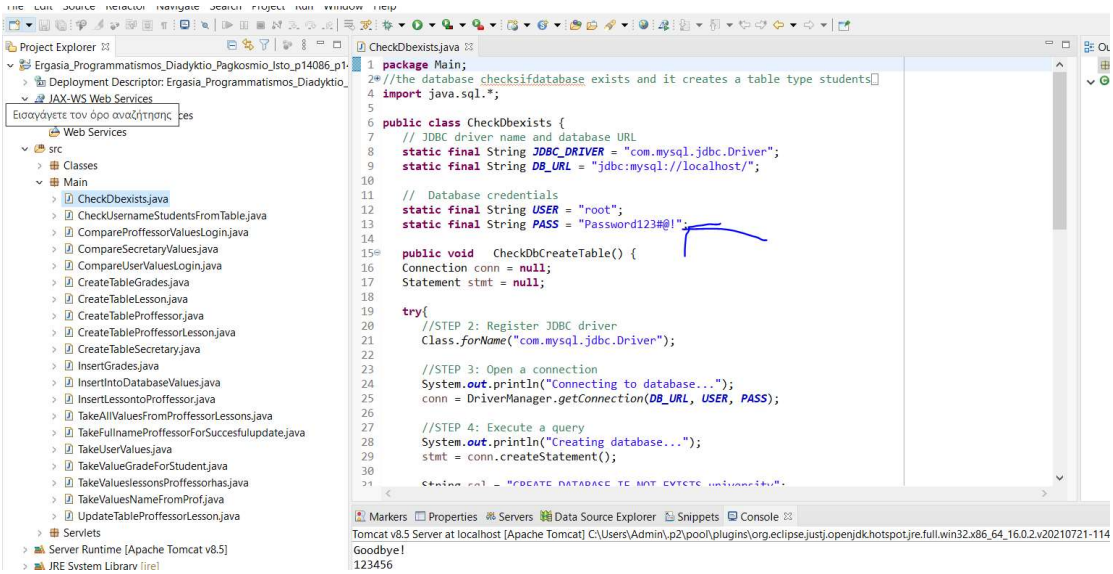

Allow

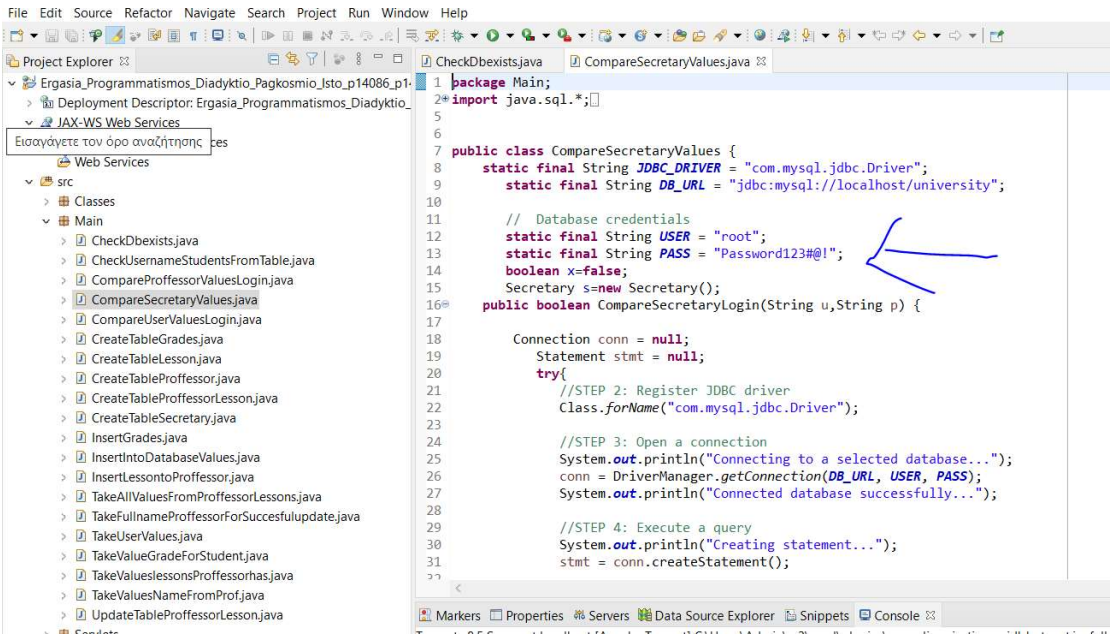



In order for the database to work you must set up your own password through the files.

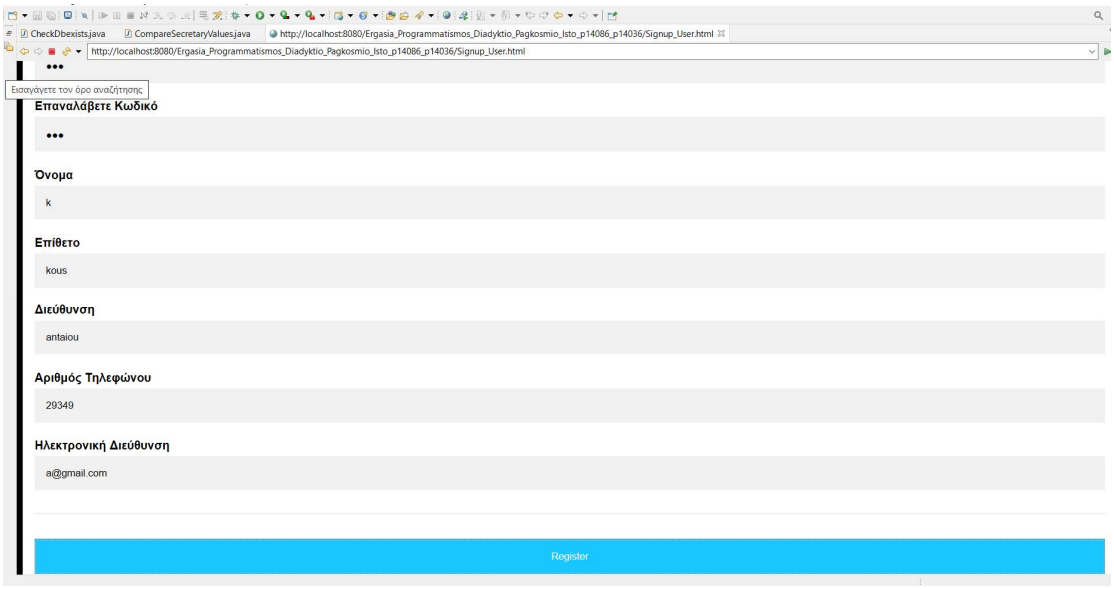



## Open all files and change the password in the code

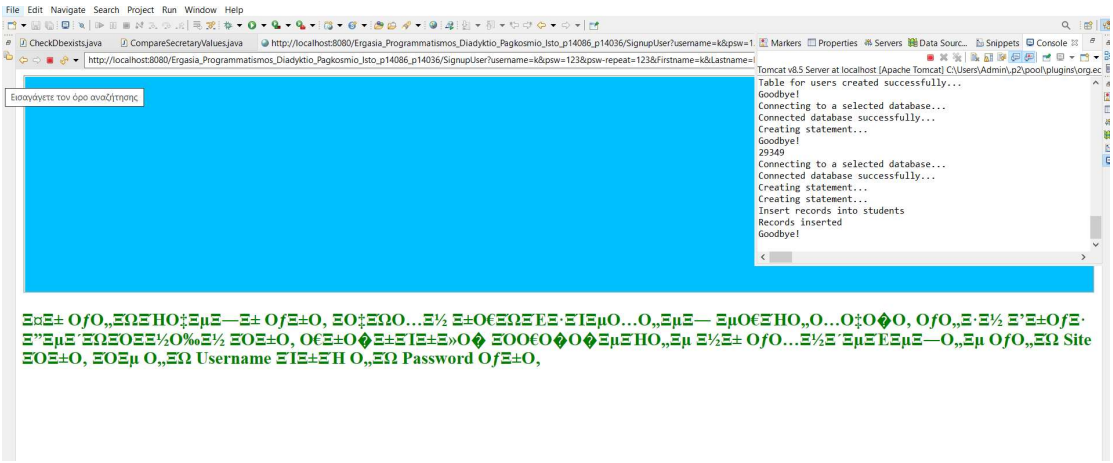





Afterwards rerun on server and test communication with database.




Register




Ξ¤Ξ± OƒO„ΞΩΞHO‡ΞμΞ—Ξ± OƒΞ±O, ΞO‡ΞΩO…Ξ½ Ξ±O€ΞΩΞEΞ·ΞIΞμO…O„ΞμΞ— ΞμO€ΞHO„O…O‡O�O, OƒO„Ξ·Ξ½ Ξ'Ξ±OƒΞ· Ξ"ΞμΞ΄ΞΩΞOΞΞ½O‰Ξ½ ΞOΞ±O, O€Ξ±O�Ξ±ΞIΞ±Ξ»O� ΞOO€O�O�ΞμΞHO„Ξμ Ξ½Ξ± OƒO…Ξ½Ξ΄ΞμΞΕμΞ—O„Ξμ OƒO„ΞΩ Site ΞOΞ±O, ΞOΞμ O„ΞΩ Username ΞIΞ±ΞH O„ΞΩ Password OƒΞ±O,

You must set Utf 8 project but the connection is successful.