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**Project setup:****Step1: Installation software and connection:****Java Development Kit (Java SE 18 )**

<https://www.oracle.com/java/technologies/downloads/#jdk18-windows>


Choose the appropriate version and follow the instructions of the java .exe file to download Java:

Linux	macOS	Windows
Product/file description		File size
		Download
x64 Compressed Archive		172.79 MB
		<a href="https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.zip">https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.zip</a> (sha256 <a href="#">🔗</a> )
x64 Installer		153.37 MB
		<a href="https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.exe">https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.exe</a> (sha256 <a href="#">🔗</a> )
x64 MSI Installer		152.25 MB
		<a href="https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.msi">https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.msi</a> (sha256 <a href="#">🔗</a> )

**Eclipse IDE (2022-06)**

<https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2022-06/R/eclipse-inst-jre-win64.exe>

Choose the appropriate operation version and follow the eclipse instruction to get Eclipse IDE



## Eclipse IDE for Java EE Developers

**Package Description**

Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE and JSF, Mylyn and others.

This package includes:

- ▶ Detailed features list

Maintained by: WTP and the Eclipse Packaging Project

### Download Links

Windows 32-bit | Linux 32-bit | x86\_64

Downloaded 0 Times


- ▶ Checksums...

### Bugzilla

- ▶ Open Bugs: 0
- ▶ Resolved Bugs: 0


[File a Bug on this Package](#)

### New and Noteworthy



An Open-Source Strategy

The Eclipse Installer 2022-06 R now includes a JRE for macOS, Windows and Linux.



## Get Eclipse IDE 2022-06

Install your favorite desktop IDE packages.

[Download x86\\_64](#)

[Download Packages](#) | [Need Help?](#)

## Configuring JDK in Eclipse: Launch eclipse EE

Eclipse IDE Launcher ×

**Select a directory as workspace**

Eclipse IDE uses the workspace directory to store its preferences and development artifacts.

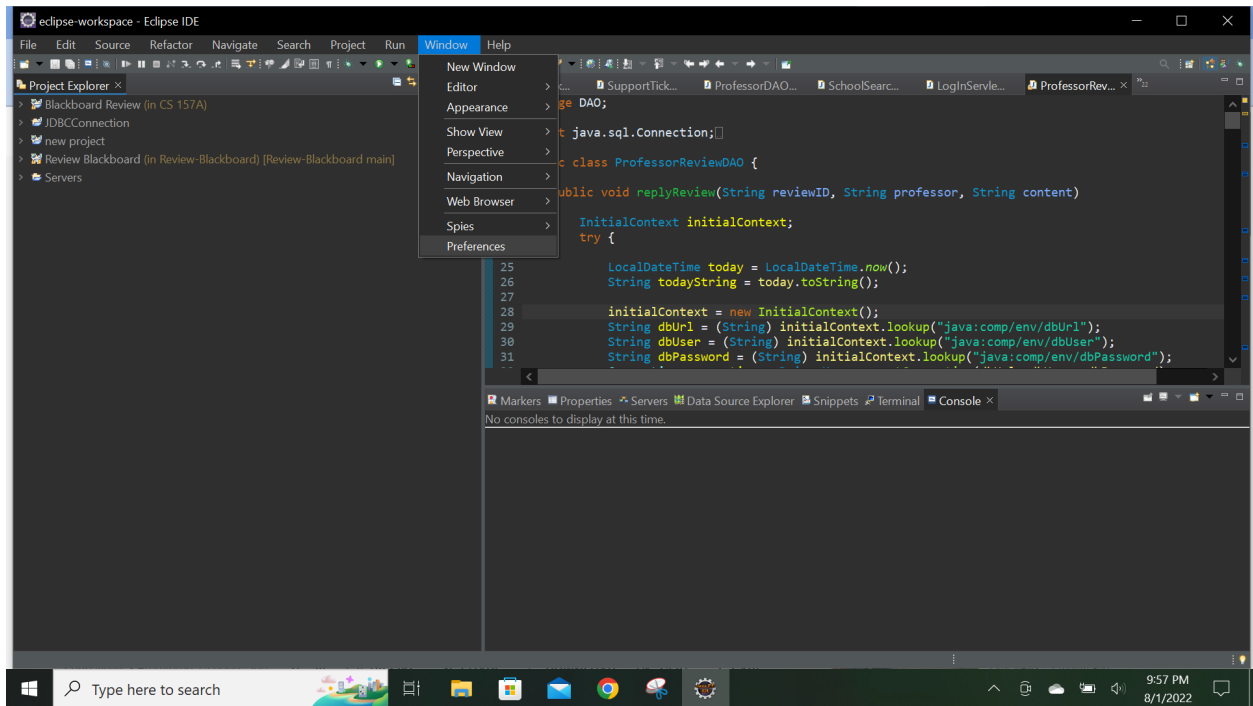
Workspace:  ▼ [Browse...](#)

☐ Use this as the default and do not ask again

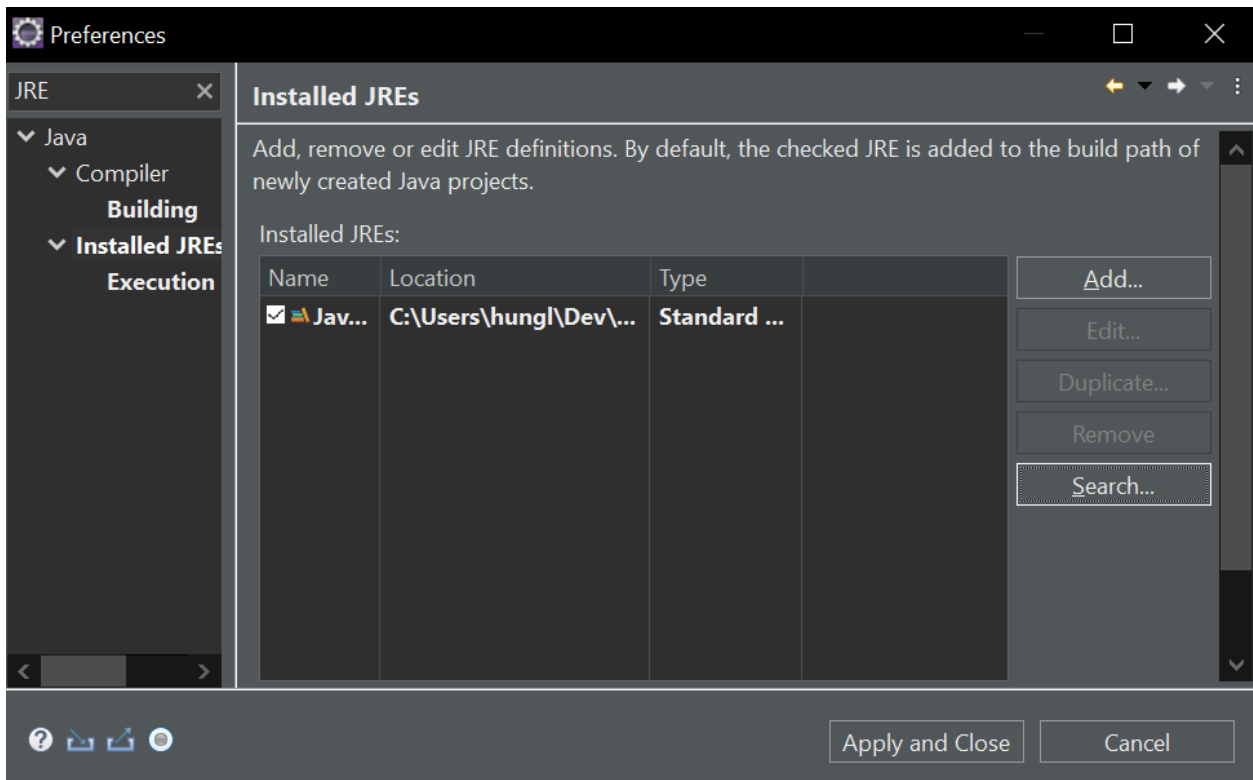
▶ **Recent Workspaces**

[Launch](#) [Cancel](#)

Open the window and choose Preferences:



Search JRE selects Installed JREs, and search choose installed JDK previously:



Click Apply and closed.

## Apache Tomcat (8.0.36)

<https://tomcat.apache.org/download-80.cgi>

Choosing the appropriate version:

For window, choose 64-bit Windown.zip

For Mac and Linux, choose tar.gz

The screenshot shows the Apache Tomcat download page for version 8.0.36. On the left is a navigation menu with links like 'Taglibs', 'Archives', 'documentation', 'Troubleshooting', 'What's New', 'Contact Us', 'Security Reports', 'FAQ', 'Mailing Lists', 'Bug Database', 'RC', 'Get Involved', 'Overview', 'Source code', 'Buildbot', 'Translations', and 'Tools'. The main content area has a heading 'download, and make sure it is the same as ours.' followed by a 'Mirrors' section. The mirrors section states: 'You are currently using <https://dlcdn.apache.org/>. If you encounter a problem with this mirror, please select another mirror. If all mirrors are failing, there are backup mirrors (at the end of the mirrors list) that should be available.' Below this is a dropdown menu for 'Other mirrors:' with the value 'https://dlcdn.apache.org/' and a 'Change' button. The version '8.0.36' is displayed. A note says: 'Please see the [README](#) file for packaging information. It explains what every distribution contains.' The 'Binary Distributions' section lists several options: Core (zip (pgp, sha512), tar.gz (pgp, sha512), 32-bit Windows.zip (pgp, sha512), 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)), Extras (Web services.jar (pgp, sha512)), and Embedded (tar.gz (pgp, sha512)).

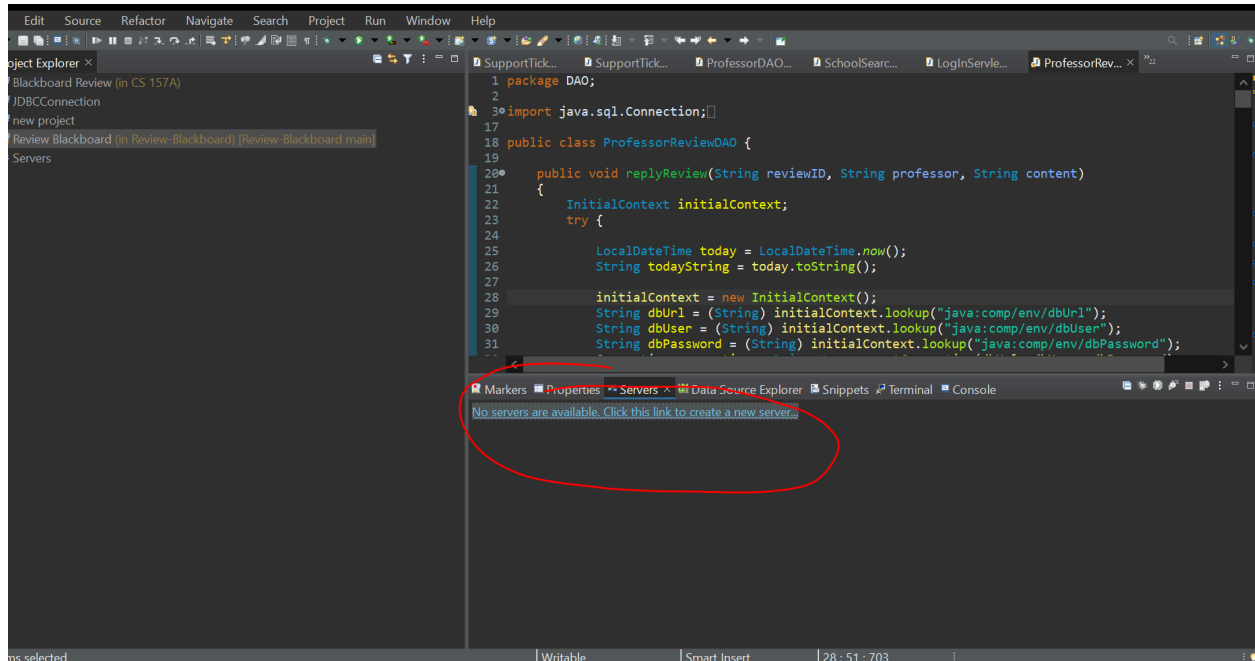
Unzip the package and save it to the appropriate location:

The screenshot shows a file explorer window with the path 'Tomcat > apache-tomcat-8.0.36'. The table below lists the files and folders in this directory.

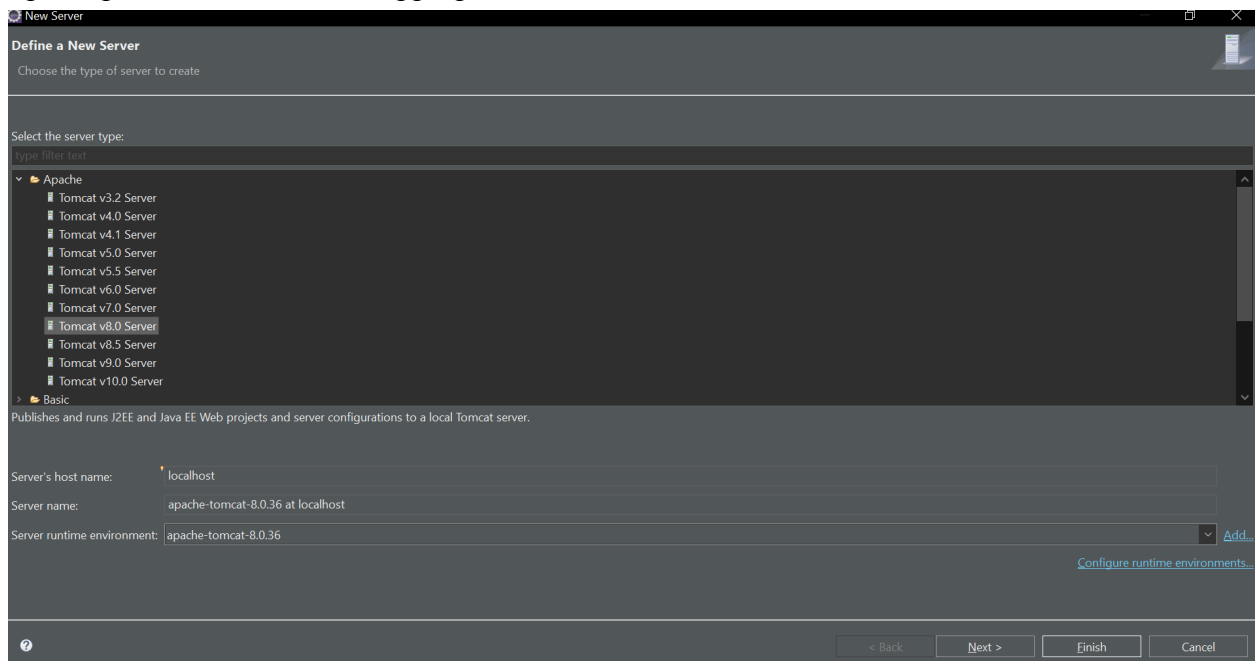
Name	Status	Date modified	Type	Size
bin	✓	7/29/2022 1:01 PM	File folder	
conf	✓	7/29/2022 1:01 PM	File folder	
lib	✓	7/29/2022 1:01 PM	File folder	
logs	✓	7/29/2022 1:01 PM	File folder	
temp	✓	7/29/2022 1:01 PM	File folder	
webapps	✓	7/29/2022 1:01 PM	File folder	
work	✓	7/29/2022 1:01 PM	File folder	
LICENSE	✓	7/29/2022 1:01 PM	File	57 KB
NOTICE	✓	7/29/2022 1:01 PM	File	2 KB
RELEASE-NOTES	✓	7/29/2022 1:01 PM	File	7 KB
RUNNING	✓	7/29/2022 1:01 PM	Text Document	17 KB

## Configuring Tomcat in Eclipse:

Open the server tab and click create a new server



Open Apache and choose the appropriate tomcat version, then click finish:



## MySQL Server

<https://dev.mysql.com/downloads/mysql/>


Choose your Operating System, and click Go to download page:

## MySQL Community Server 8.0.30

Select Operating System:

[Looking for previous GA versions?](#)

**Recommended Download:**



**MySQL Installer for Windows**

**All MySQL Products. For All Windows Platforms. In One Package.**

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.

**Windows (x86, 32 & 64-bit), MySQL Installer MSI**

[Go to Download Page >](#)

Choose either version to download

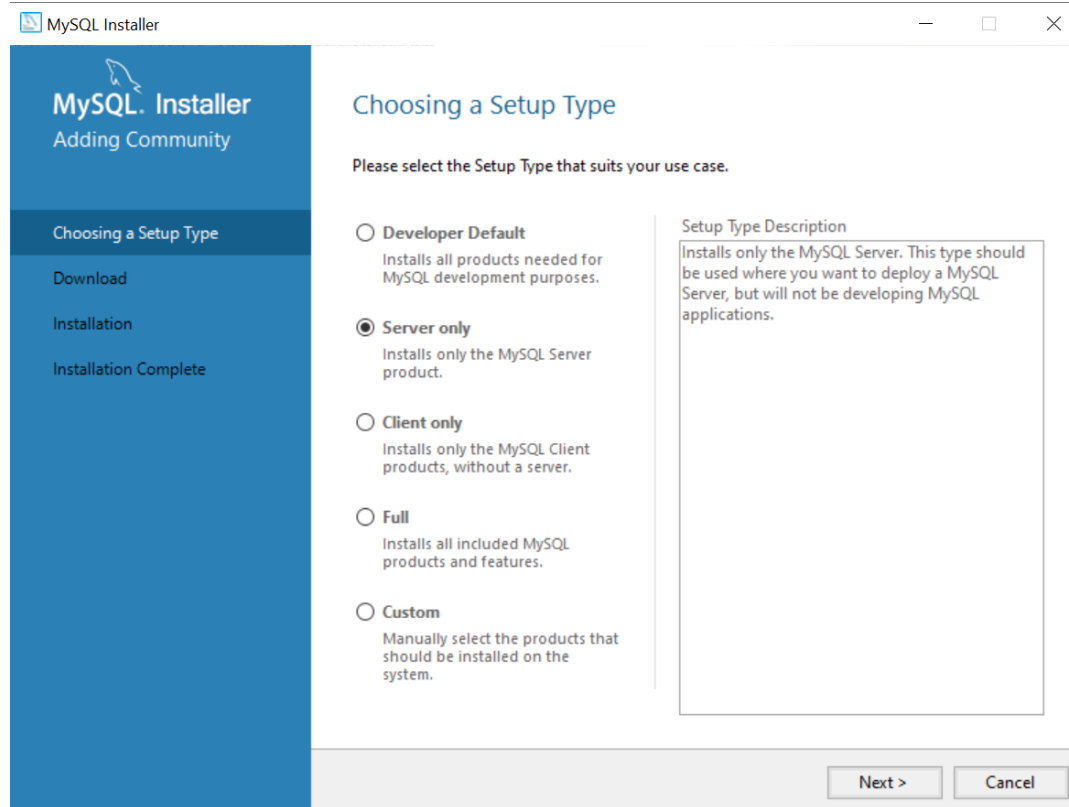
## MySQL Installer 8.0.30

Select Operating System:

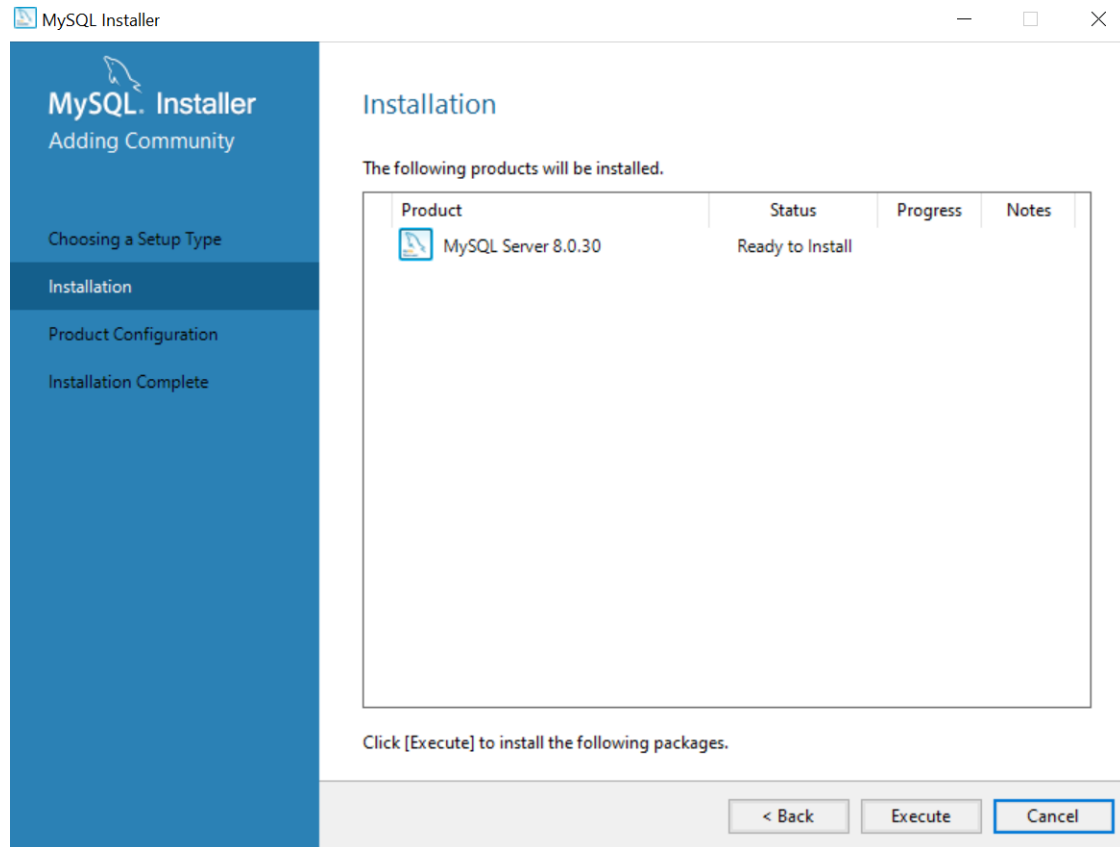
[Looking for previous GA versions?](#)

<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-web-community-8.0.30.0.msi)	8.0.30	5.5M	<a href="#">Download</a>
	MD5: c095cf221e8023fd8391f81eadce65fb   <a href="#">Signature</a>		
<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-community-8.0.30.0.msi)	8.0.30	448.3M	<a href="#">Download</a>
	MD5: c9cbd5d788f45605dae914392a1dfeea   <a href="#">Signature</a>		

Run the .exe file and follow the instruction:  
 Choose the web server only option, then click next

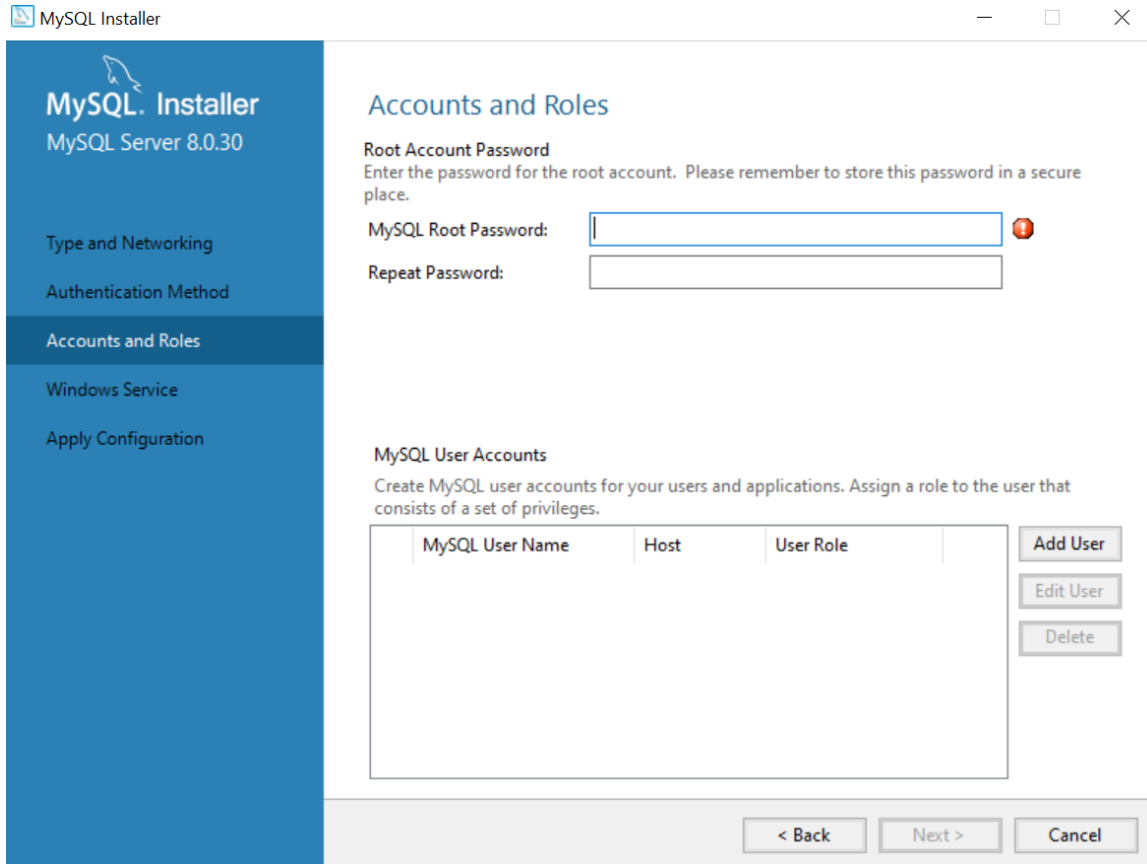


Click Execute and wait a few minutes:

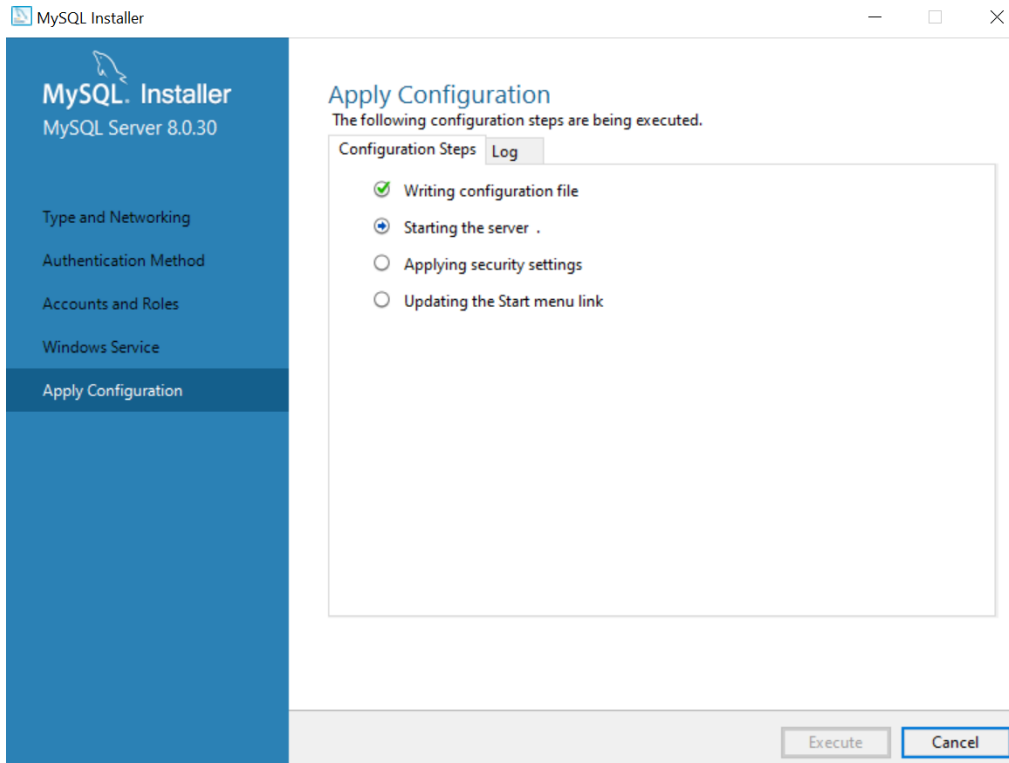


Then click next until seeing the scene set up a password, for minimal setting up using the password "oracle"





Click next then execute:



Wait until the program is complete then click finish

**MySQL Workbench (8.0.30):**

<https://dev.mysql.com/downloads/workbench/>

**Recommended Download:**

## MySQL Installer for Windows


**All MySQL Products. For All Windows Platforms. In One Package.**

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.

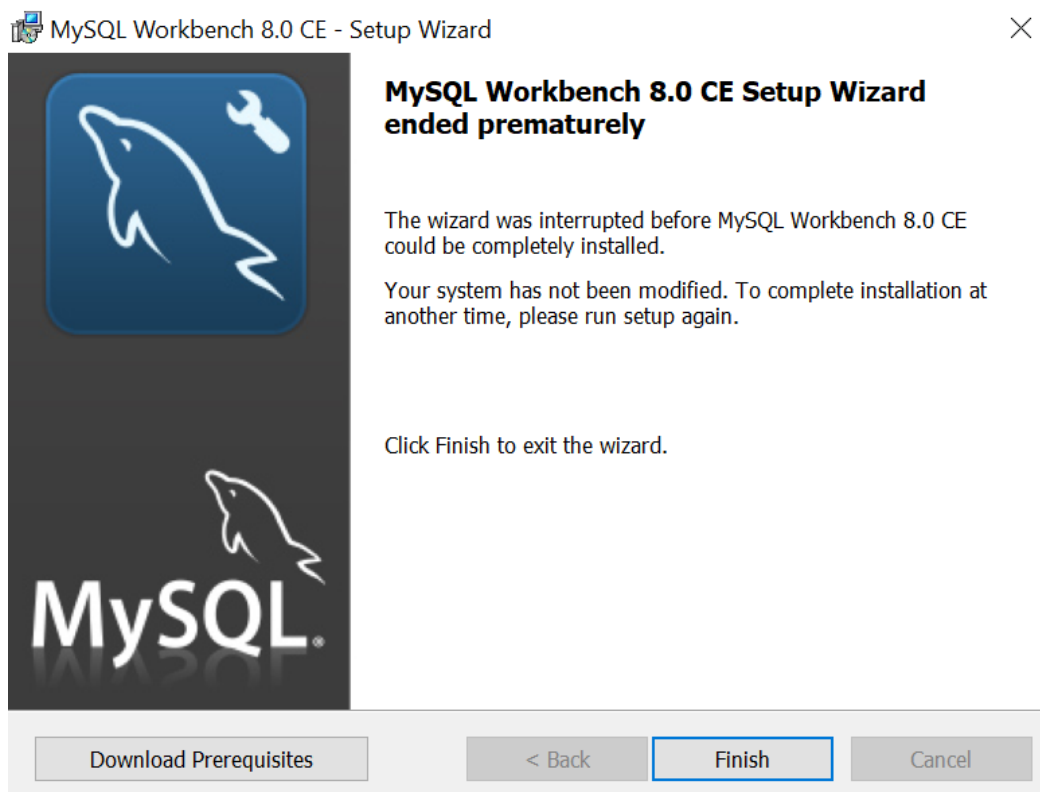
**Windows (x86, 32 & 64-bit), MySQL Installer MSI** [Go to Download Page >](#)

**Other Downloads:**

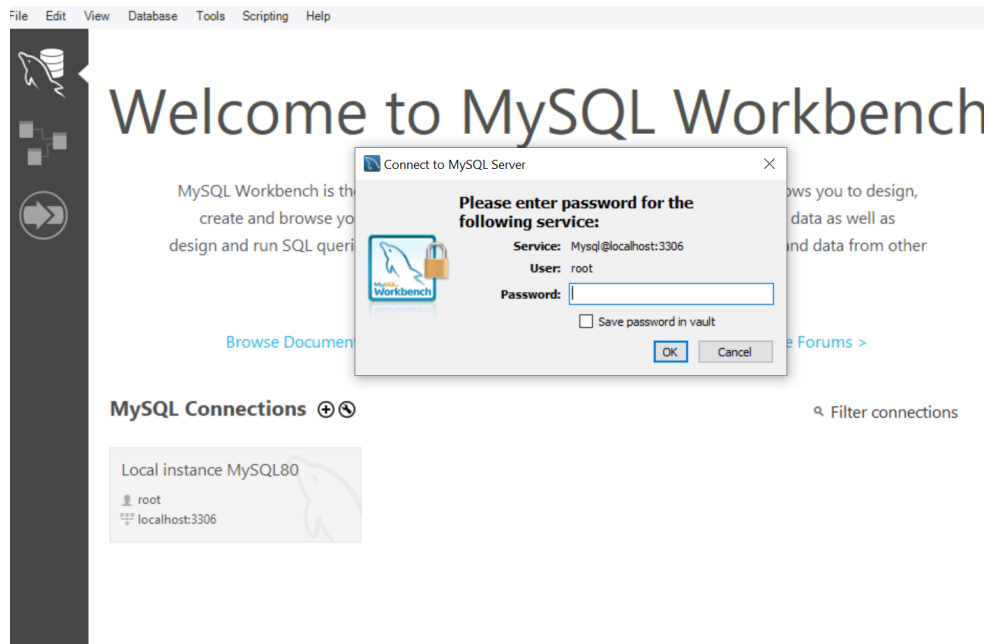
<b>Windows (x86, 64-bit), MSI Installer</b>	8.0.30	44.5M	<a href="#">Download</a>
<small>(mysql-workbench-community-8.0.30-winx64.msi)</small>		<small>MD5: 5c7def4c83989f60522972455a512c1d   <a href="#">Signature</a></small>	

 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

Follow the .exe file instruction and install the MySql workbench:



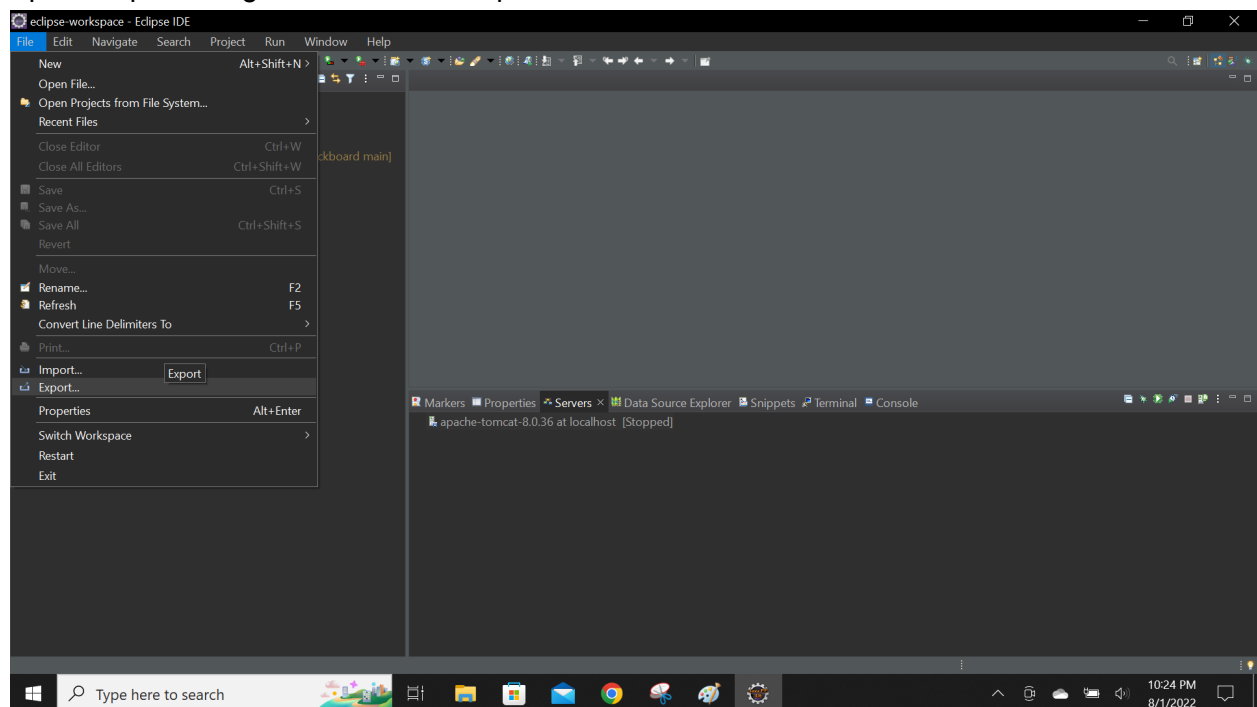
Launch it and use the password set up previously to log In:



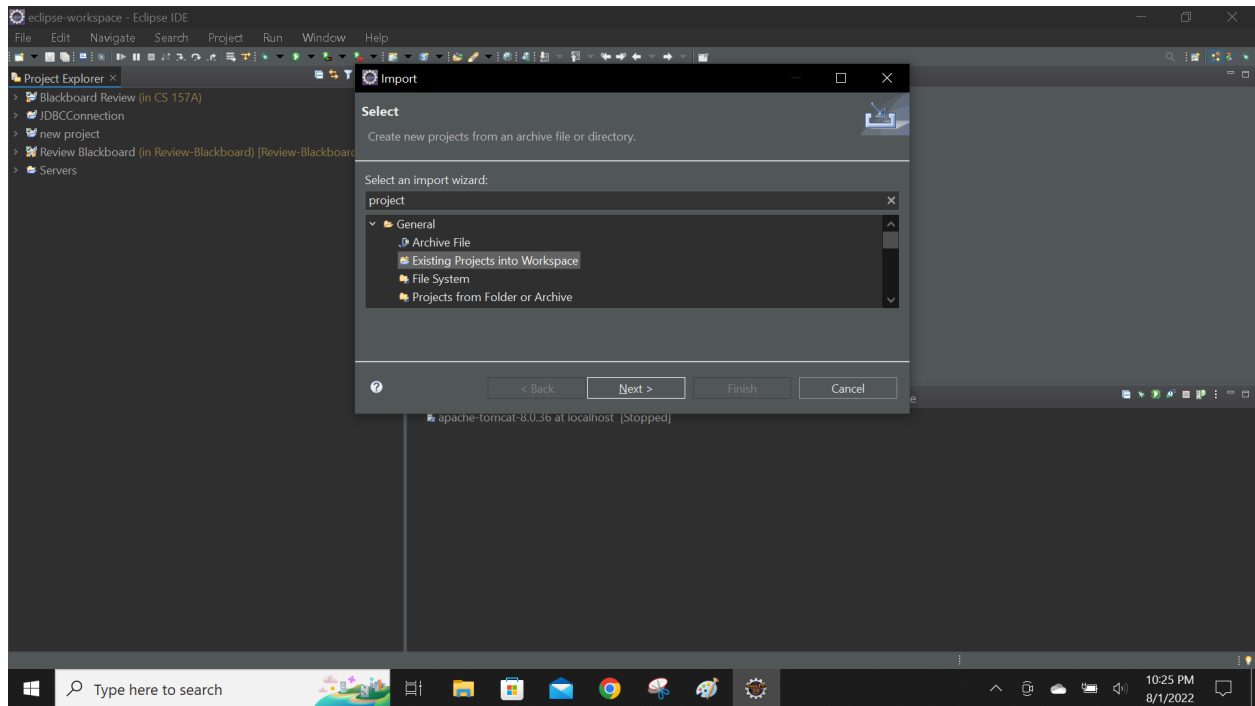
## Step 2:

Go to GitHub and get the zip folder then unpack it in appropriate location,

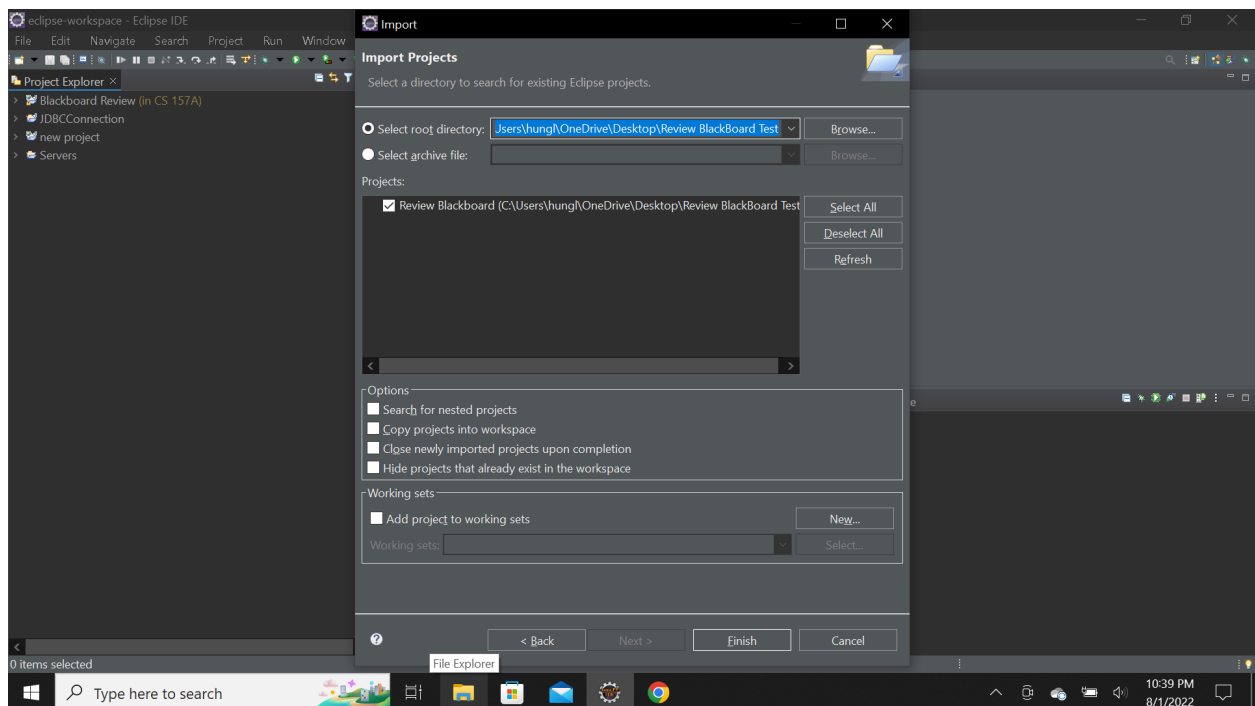
Open eclipse IDE goes to file, then import:



Search and choose option “Existing project to workspace”:

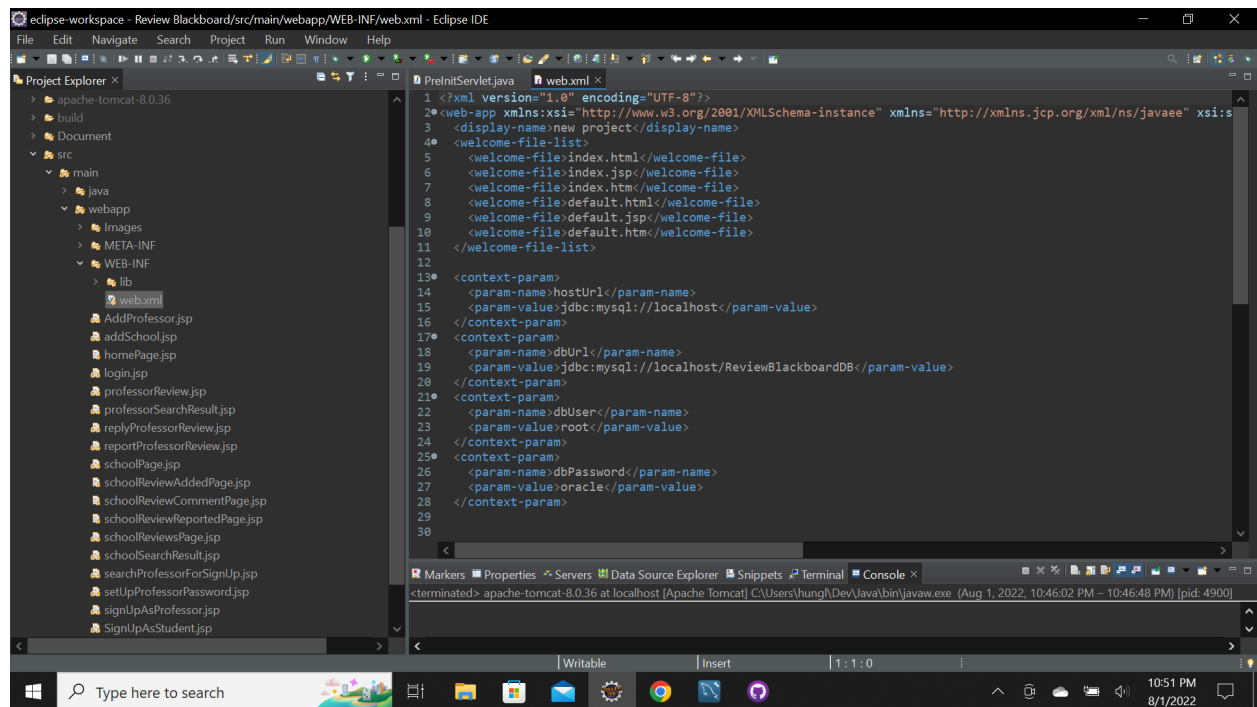


Browse for the project location and click finish

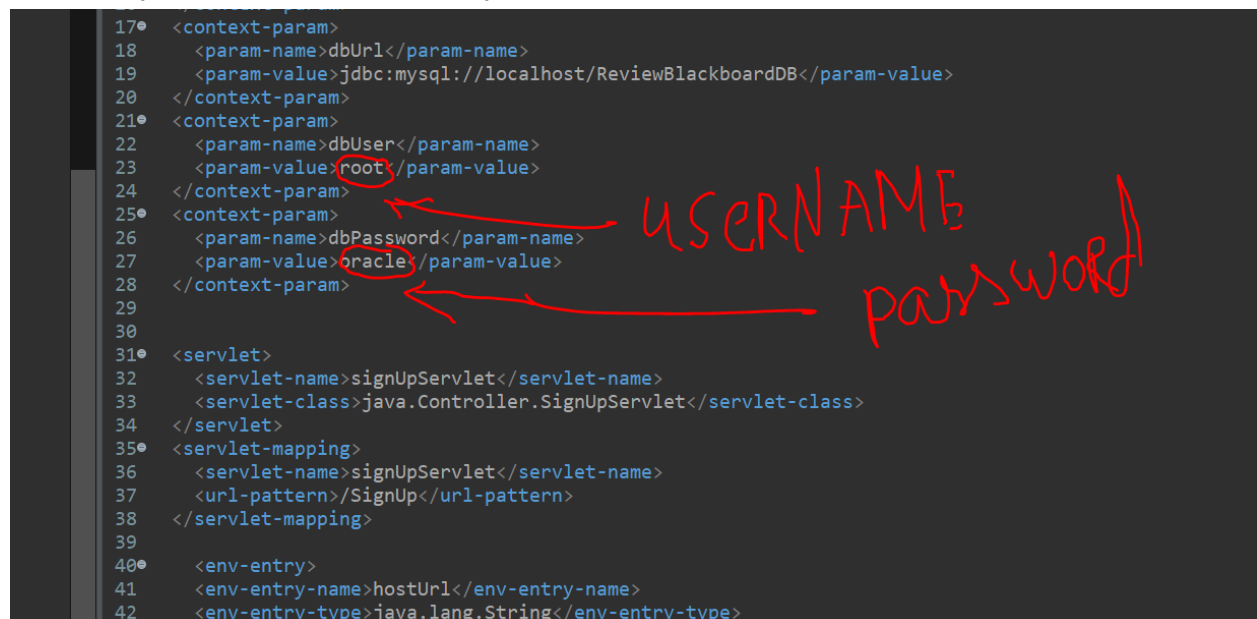


Setting up Mysql username and password:

Open the project and go to “...\src\main\webapp\WEB-INF\web.xml” and open the file “web.xml” with a generic text editor



Set up your username on line 23 , 55 and password on line 27 , 61 to the username and password you choose when install MySQL:



```

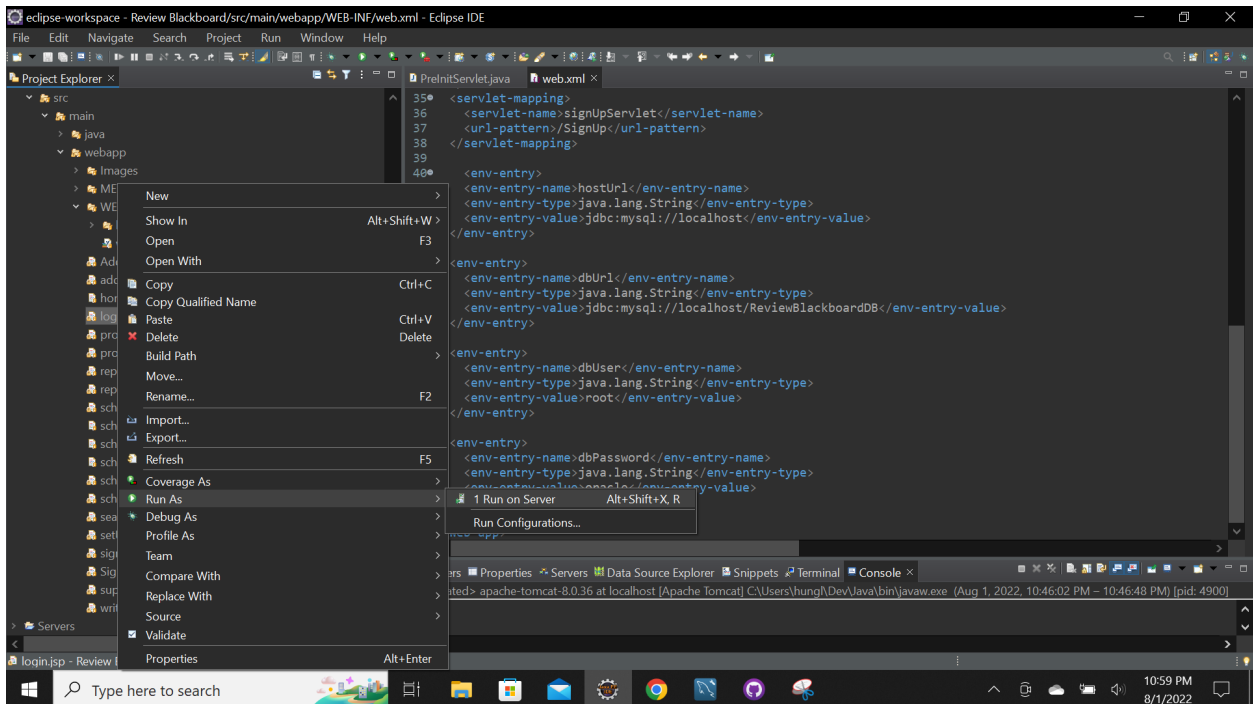
41 <env-entry-name>hostUrl</env-entry-name>
42 <env-entry-type>java.lang.String</env-entry-type>
43 <env-entry-value>jdbc:mysql://localhost</env-entry-value>
44 </env-entry>
45
46 <env-entry>
47 <env-entry-name>dbUrl</env-entry-name>
48 <env-entry-type>java.lang.String</env-entry-type>
49 <env-entry-value>jdbc:mysql://localhost/ReviewBlackboardDB</env-entry-value>
50 </env-entry>
51
52 <env-entry>
53 <env-entry-name>dbUser</env-entry-name>
54 <env-entry-type>java.lang.String</env-entry-type>
55 <env-entry-value>root</env-entry-value>
56 </env-entry>
57
58 <env-entry>
59 <env-entry-name>dbPassword</env-entry-name>
60 <env-entry-type>java.lang.String</env-entry-type>
61 <env-entry-value>oracle</env-entry-value>
62 </env-entry>
63

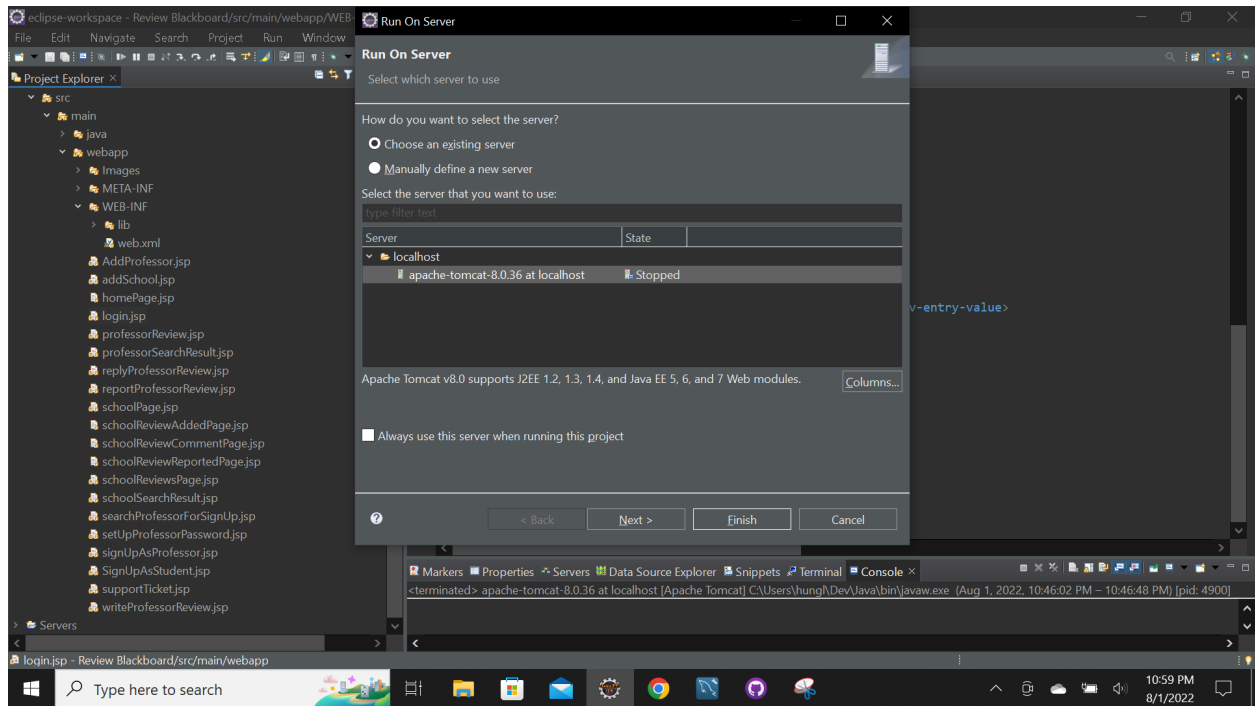
```

USERNAME

PASS WORD

Follow the path “src\main\webapp\login.jsp” to find login.jsp file. Then run it with the tomcat server





Log in page with open and database will be added into MySQL server.

## Log In

Email

Password

LOG IN

SIGN UP AS STUDENT

SIGN UP AS PROFESSOR



## SCHEMAS

Filter objects

- ▼ reviewblackboarddb
  - ▼ Tables
    - ▶ comm\_prof\_rev
    - ▶ comm\_school\_rev
    - ▶ prof\_flags\_srev
    - ▶ prof\_reviews
    - ▶ professor
    - ▶ professorsupportticket
    - ▶ school
    - ▶ school\_reviews
    - ▶ stud\_flags\_srev
    - ▶ stud\_reports\_prev
    - ▶ student
    - ▶ studentsupportticket
  - Views

Administration Schemas

Th  
To  
Id