

1. Installing Tomcat 7.0 Server.

Download link: <https://tomcat.apache.org/download-70.cgi>

2. Installing JDK 1,8.0_60 or other versions.

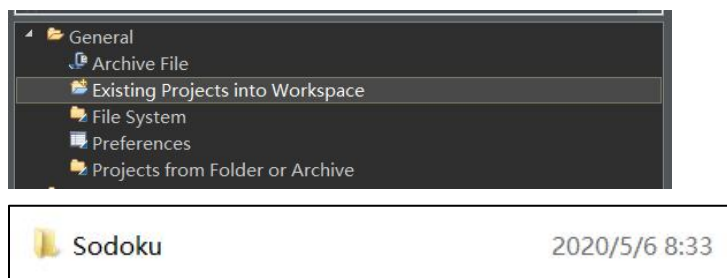
Download link:

<https://www.oracle.com/java/technologies/javase-jdk8-downloads.html>

3. Installing MYSQL database.

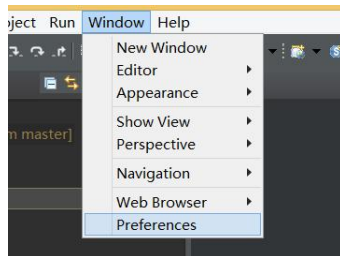
<https://dev.mysql.com/downloads/repo/yum/>

4. Using Eclipse IDE and importing the project into the workspace.

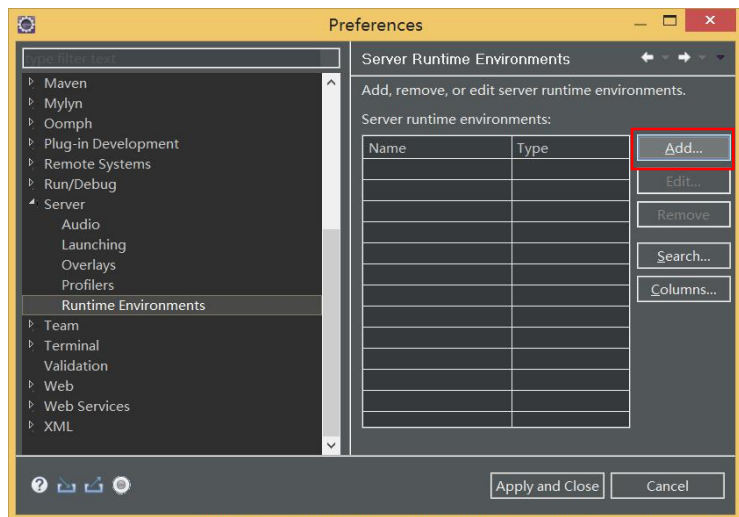


5. Configuring the Tomcat 7.0 in Eclipse.

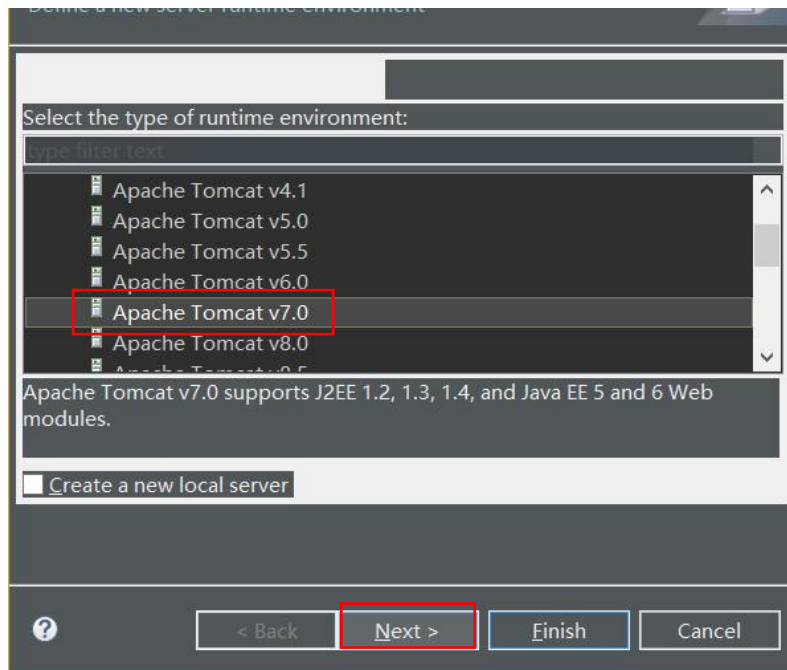
Open Eclipse, click the "window" menu, and select "Preferences" below:



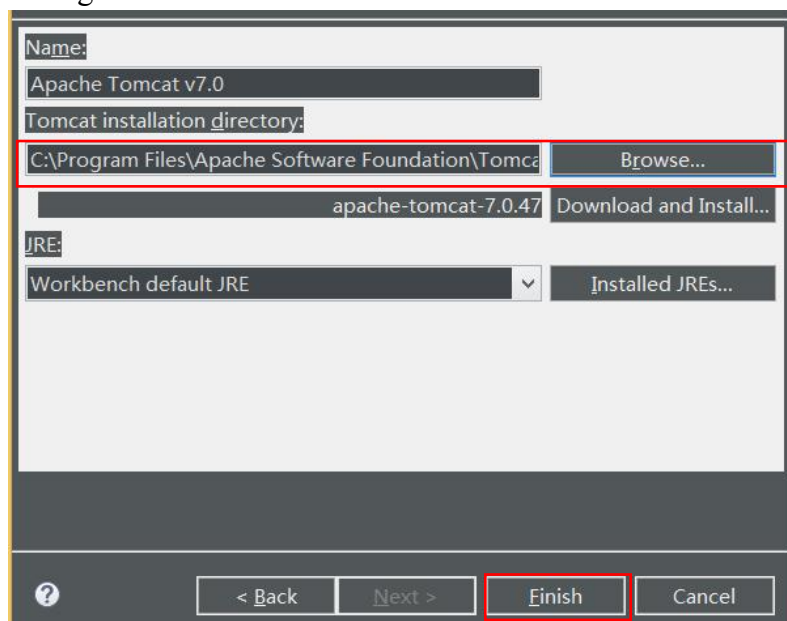
Find the “Runtime Environment” under “Server” and click the “Add” button on the right:



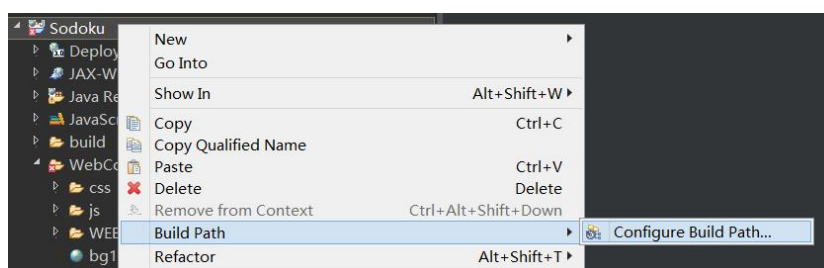
Select the version of Tomcat that has been successfully installed and click Next:



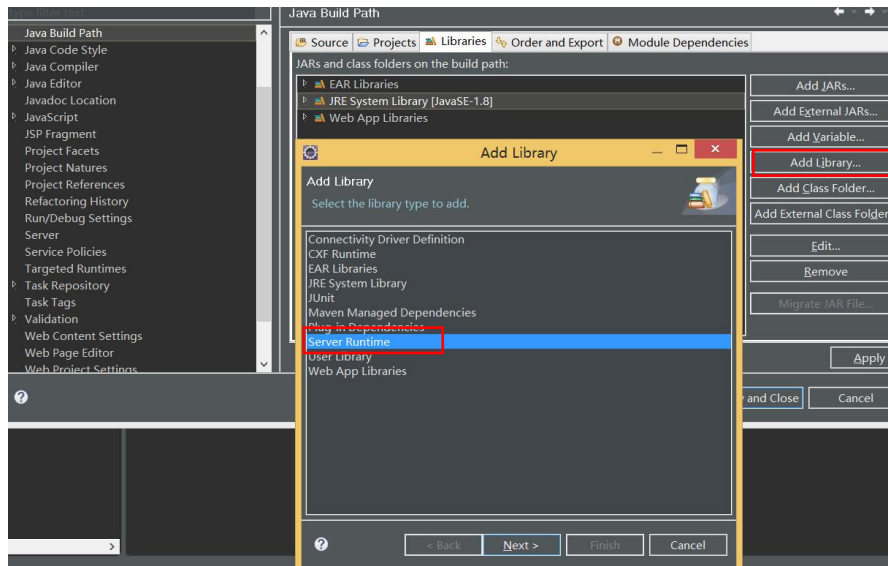
Set the installation directory of Tomcat. After setting, click Finish to complete the setting.



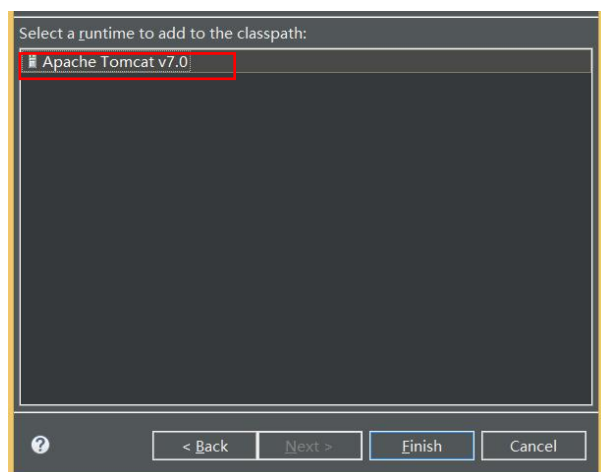
6. Configuring Build Path:



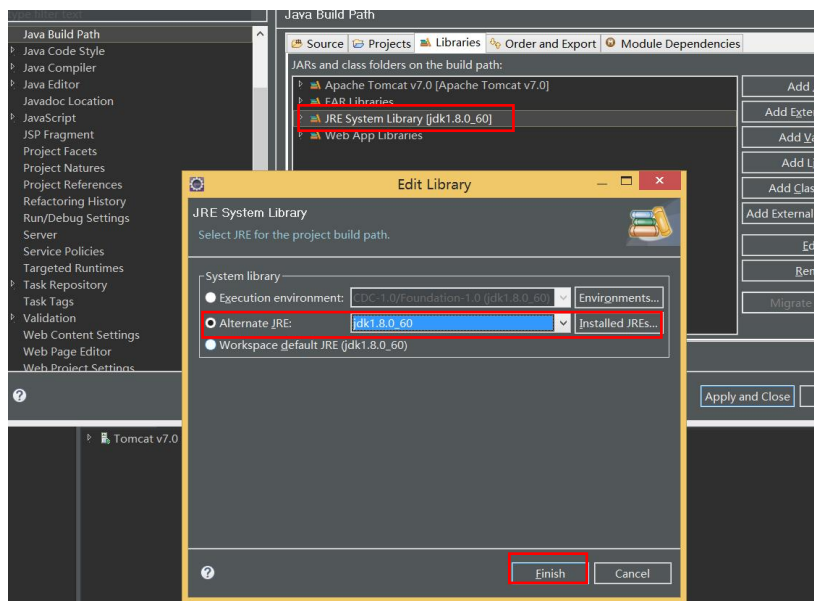
We then click "Add Library" as follows:
Then choose to click: Server Runtime-> next



Select Apache Tomcat v7.0 and finish:



Similarly, add JDK:

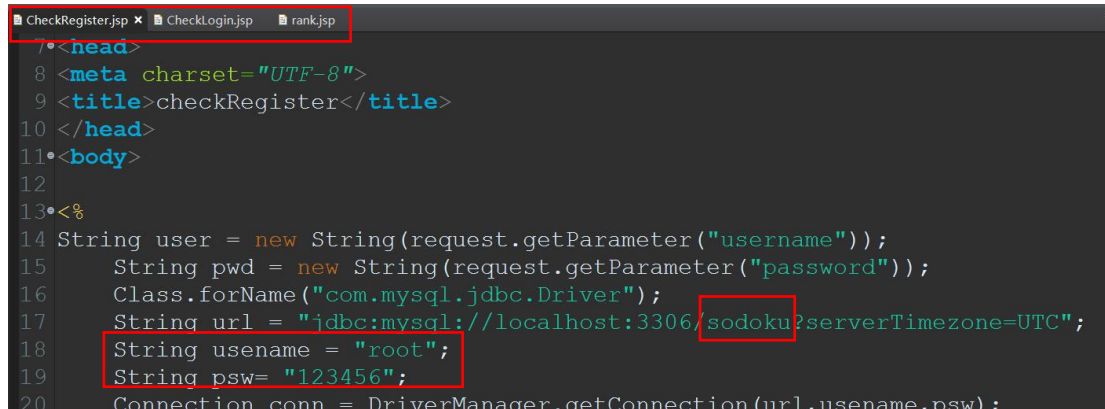


7. Connect the MYSQL database:

Our default database username and password are “**root**” and “**123456**”.

And default database name is “**sudoku**”

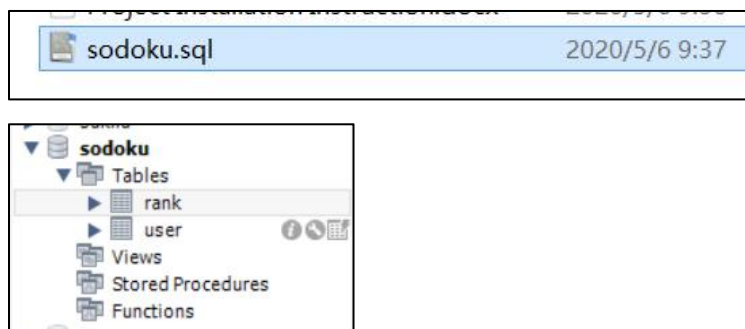
If you are different from ours, you need to modify these three files (**CheckRegister.jsp**, **CheckLogin.jsp**, **rank.jsp**) in the **Sudoku\WebContent** directory.



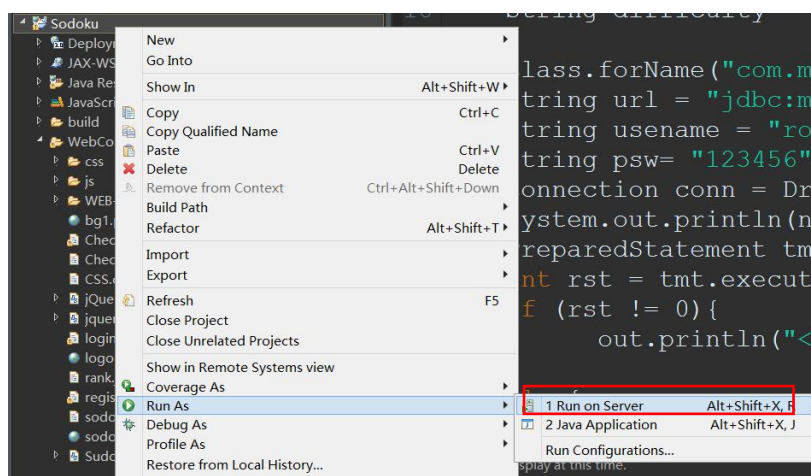
```
1 <!-->
2 <!-->
3 <!-->
4 <!-->
5 <!-->
6 <!-->
7 <!-->
8 <meta charset="UTF-8">
9 <title>checkRegister</title>
10 </head>
11 <body>
12
13 <%
14 String user = new String(request.getParameter("username"));
15 String pwd = new String(request.getParameter("password"));
16 Class.forName("com.mysql.jdbc.Driver");
17 String url = "jdbc:mysql://localhost:3306/sudoku?serverTimezone=UTC";
18 String username = "root";
19 String psw= "123456";
20 Connection conn = DriverManager.getConnection(url,username,psw);
```

Create a database named **sudoku** in your MYSQL

Import the **sudoku.sql** file in our submission folder directory into your MYSQL database.



8.Run the project: Right click on the project--> Run as-->Run on server



Enter in the browser address bar:

<http://localhost:8080/Sudoku/>

