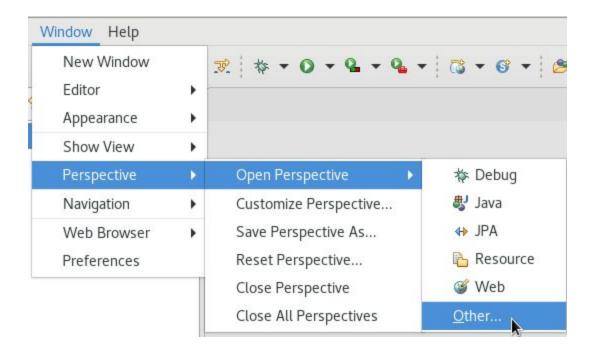
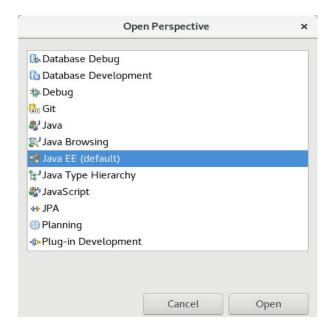
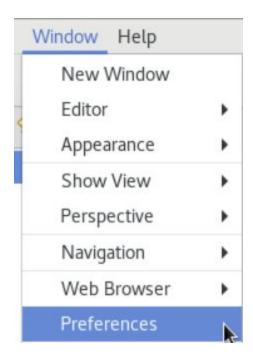
JAVA J2EE JDBC SETUP

- 1. Download Eclipse IDE for Java EE Developers and extract it to a proper directory in your machine. (Recommended : Eclipse Photon R). http://www.eclipse.org/downloads/packages/release/photon/r/eclipse-ide-java-ee-developers
- 2. Download and Extract Apache Tomcat-7 Server to a proper directory in your machine https://tomcat.apache.org/download-70.cgi
- 3. Download the Postgresql JDBC Driver. https://jdbc.postgresql.org/download/postgresql-42.2.5.jar
- 4. Launch your Eclipse IDE. Make sure that your Eclipse is set to default Java EE Perspective. From the menu bar, Window -> Perspective -> Open Perspective -> Other -> Java EE (default).

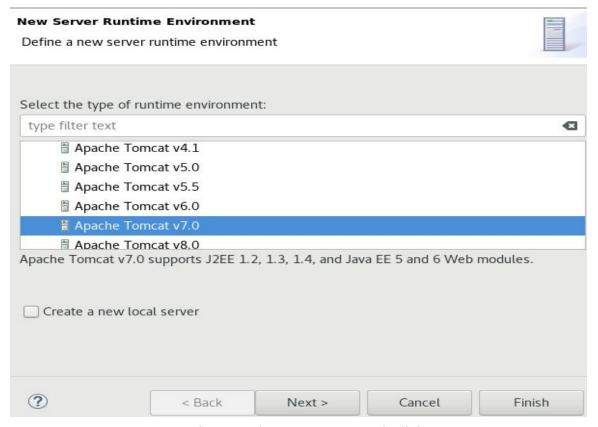




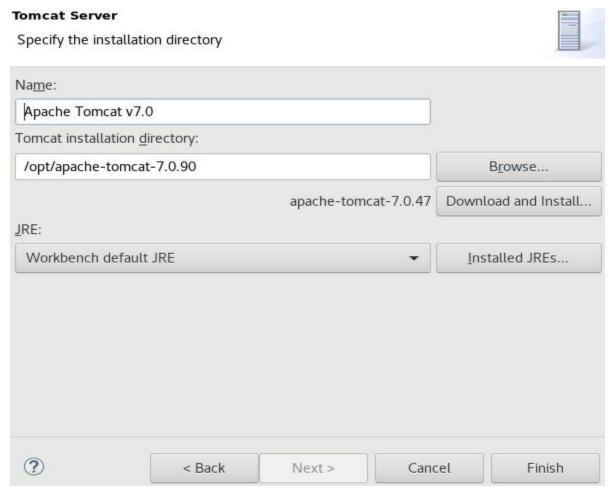
5. Add a Server to your Eclipse IDE. From menu bar, Window -> Preferences -> Server -> Runtime Environments.



Click on the Add button to add a new Apache Tomcat Server to your Development Environment.

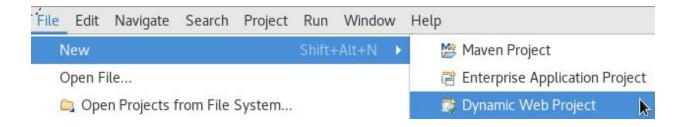


Select Apache Tomcat v7.0 and Click next

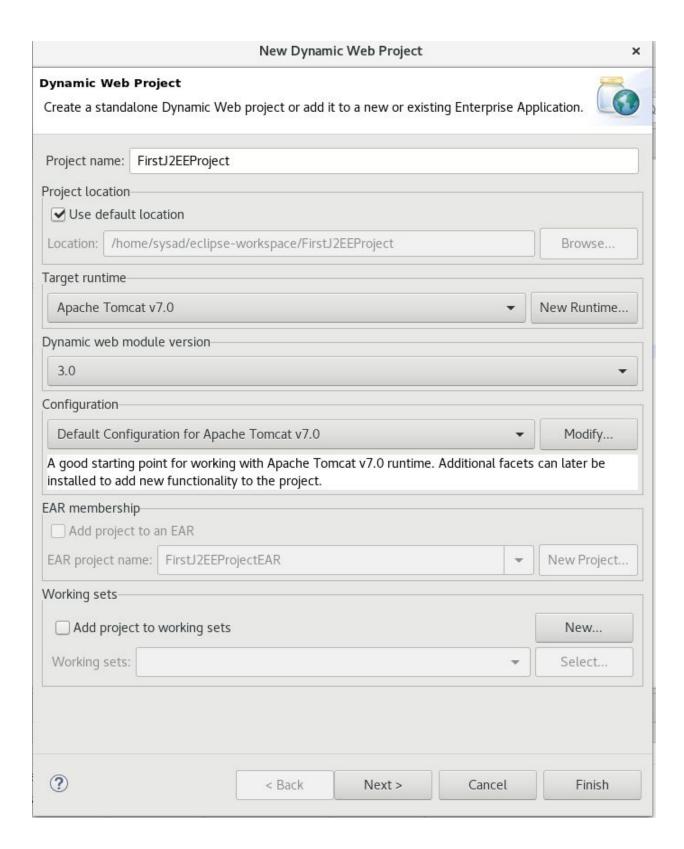


Mention the Tomcat Installation directory and hit finish.

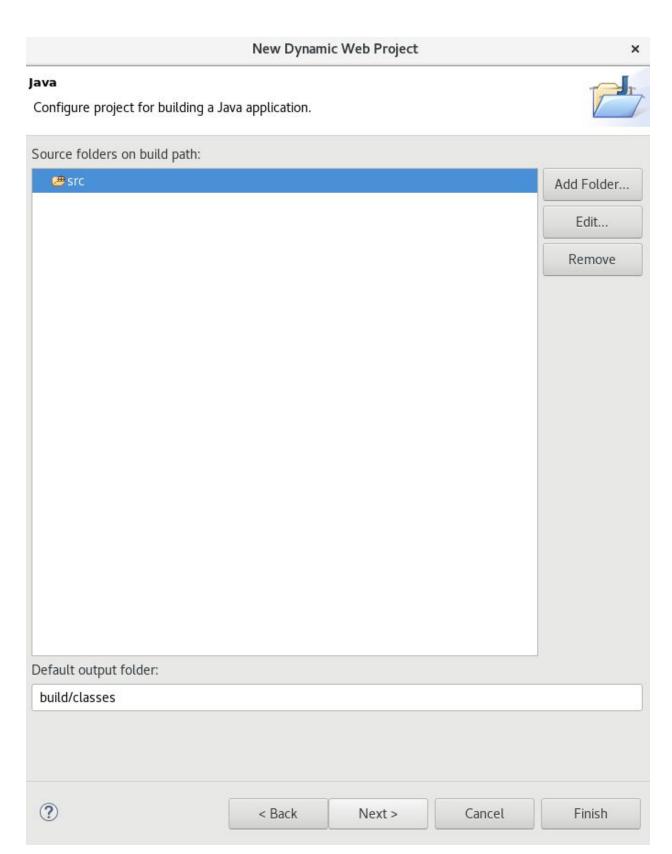
6. Create a new Dynamic Web Project, From the menu bar, File -> New -> Dynamic Web Project.



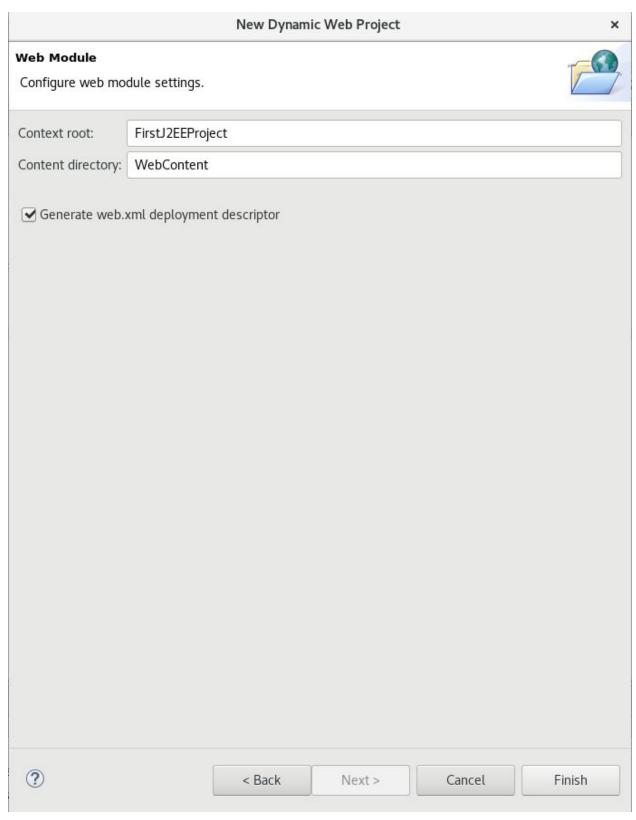
Give a name to your project. Click Next.



Click on "New Runtime" and choose the apache server in the target runtime tab. Then click Next

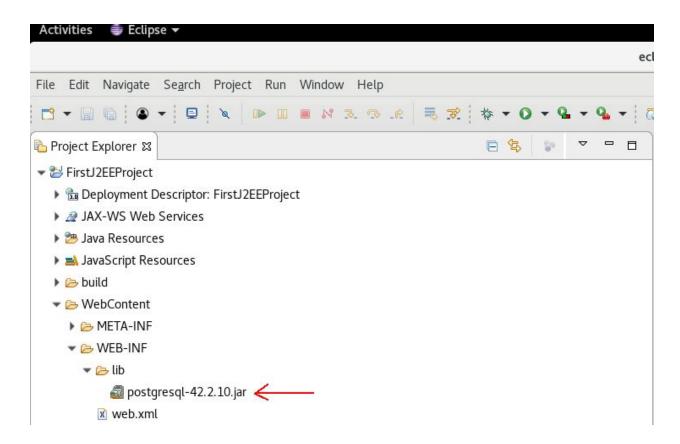


Select src as a source folder on build path and click Next

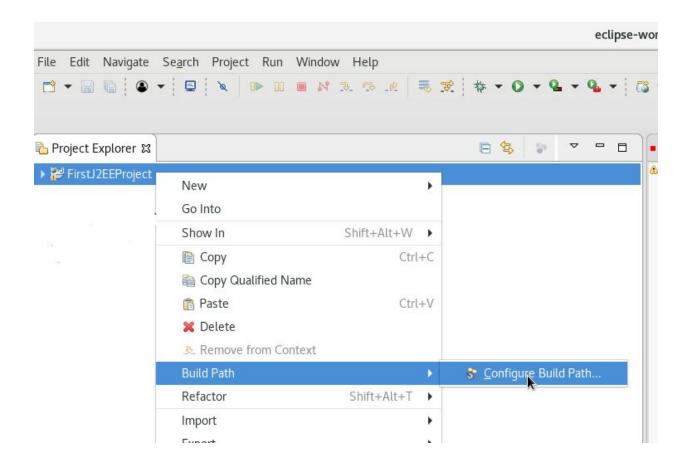


Don't forget to check-mark the Generate web.xml deployment descriptor. Then click finish

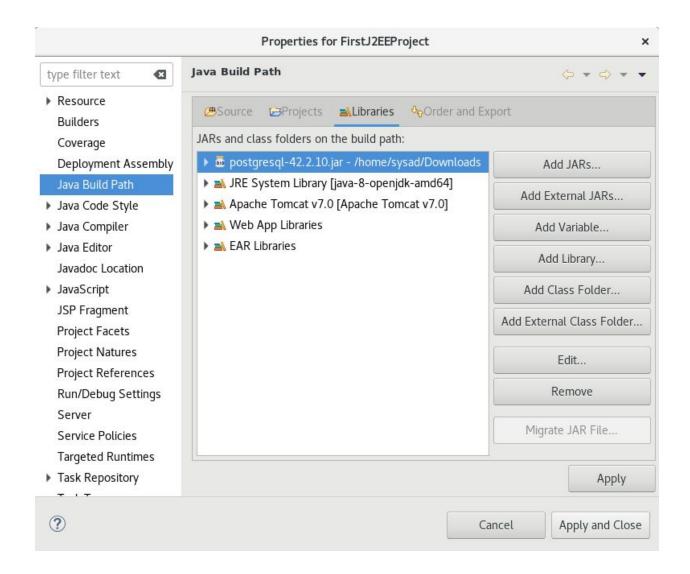
7. Copy and paste the downloaded postgres java jdbc driver jar file in lib folder .This will be in WebContent->WEB-INF->lib



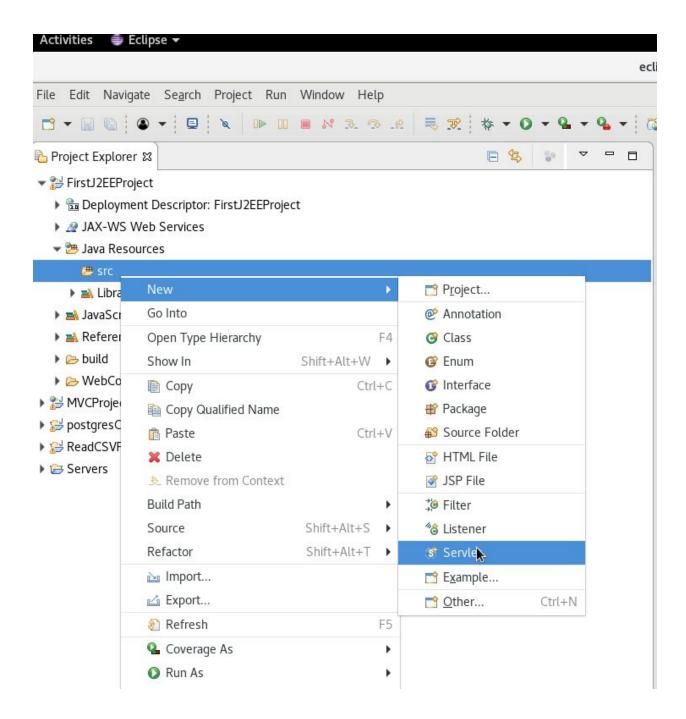
8. Right click on your project in the Project Explorer, then Build Path and Configure Build Path.



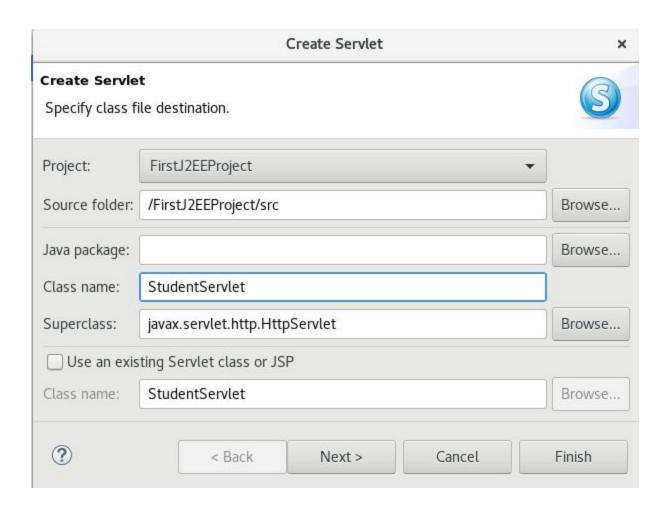
9. Goto the libraries tab --> Add external Jar --> postgresql.jar file. Click apply and close.



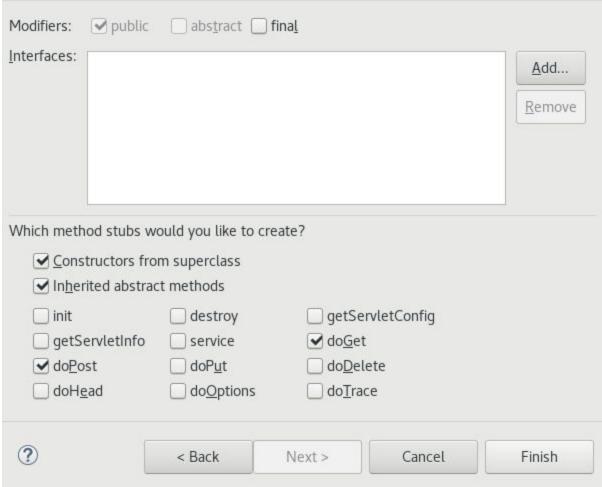
10. Right click on the project folder and then expand Java Resources. Then right click on src->New->Servlet.



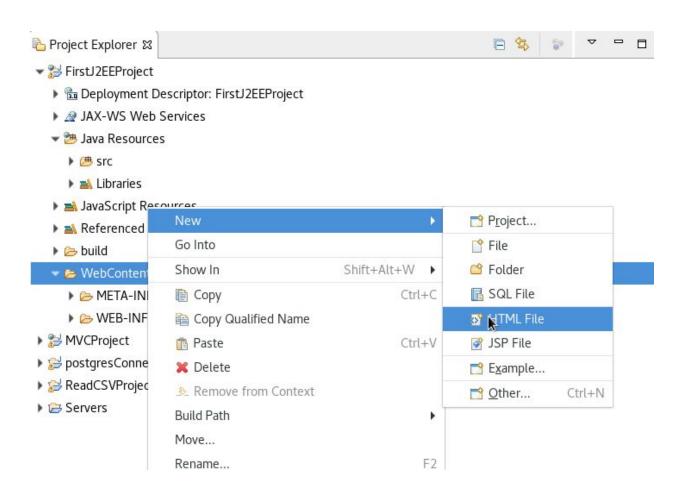
11. Give the servlet name as StudentServlet. Then click Next and Flnish.

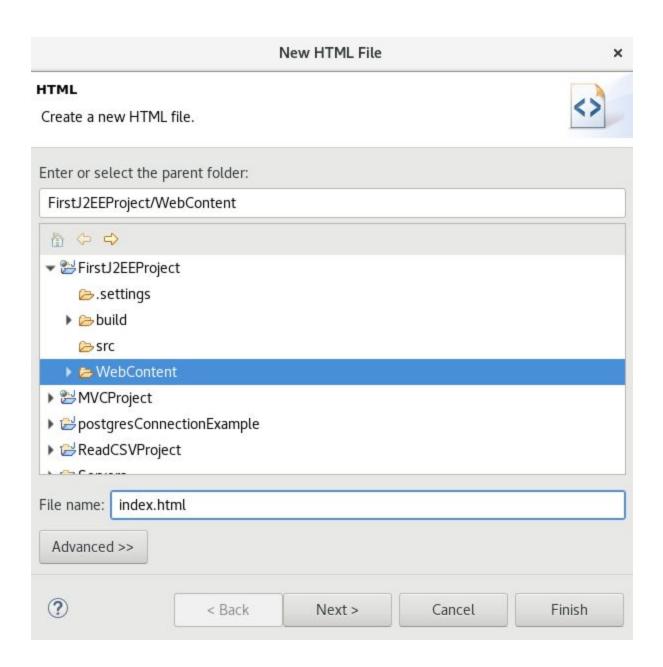






- 11. Copy-paste the code shared as StudentServlet.java.(First remove everything from servlet file,then do copy-paste)
- 12. Then Right click on WebContent folder -> New -> HTML file.Give the file name as index.html.Click Finish.



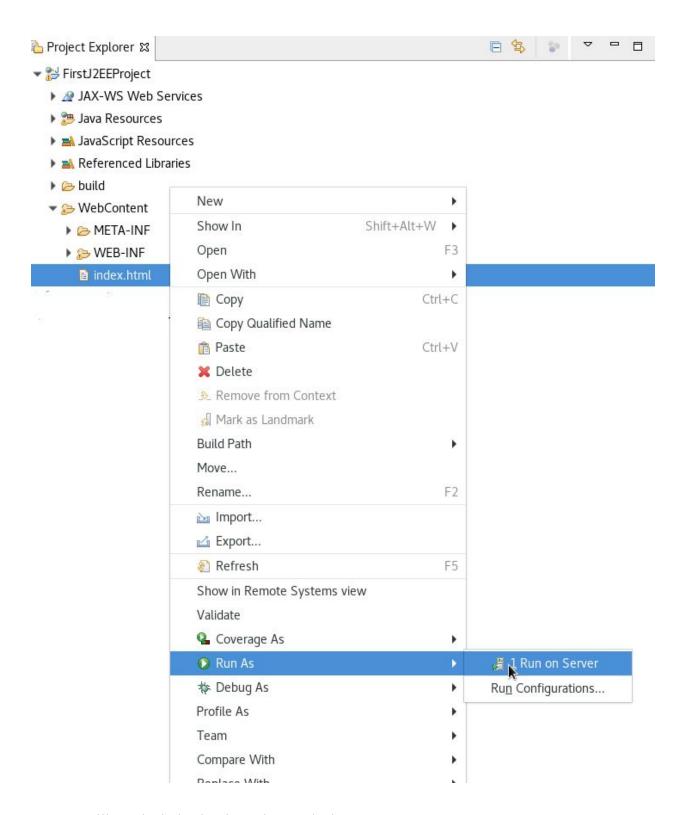


- 13. Copy-paste the code shared as index.html.(First remove everything from index.html file,then do copy paste)
- 14. Now go to web.xml present in WebContent->WEB INF. Copy -paste the below code. This is known as servlet mapping.

This file can be opened as a text editor by right clicking and open with option.

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
....
```

15. Right click on index.html -> Run As -> Run On Server.Then click Finish.



16. You will get the index.html running on the browser.



17. Enter the id as 30772.

You should see the output as:



Student id is 30772 Student name is Inoue

==== 1 rows found =====