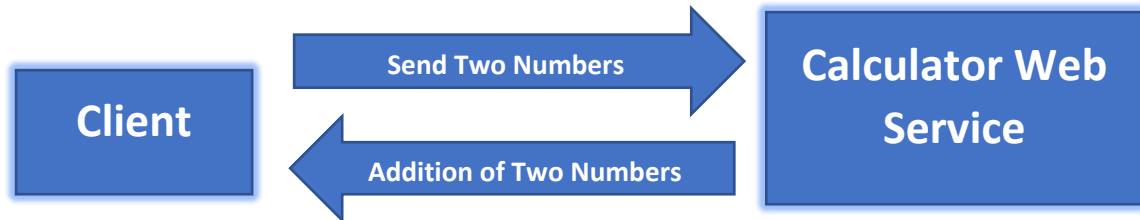
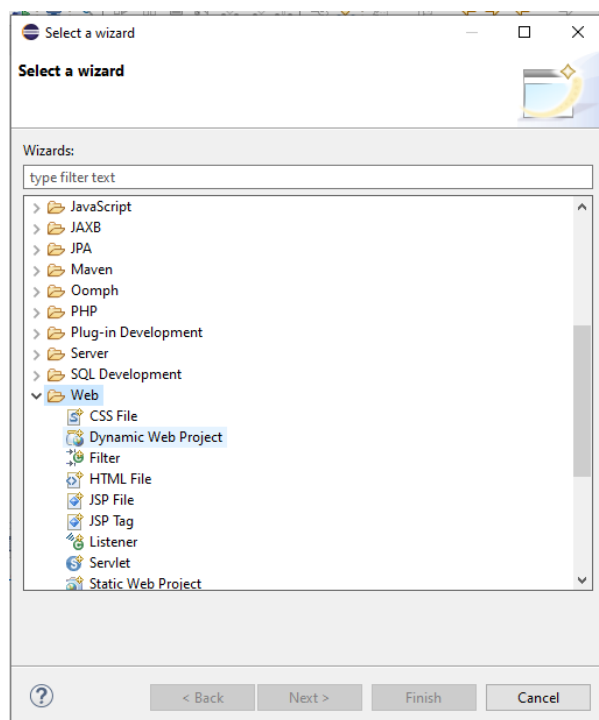
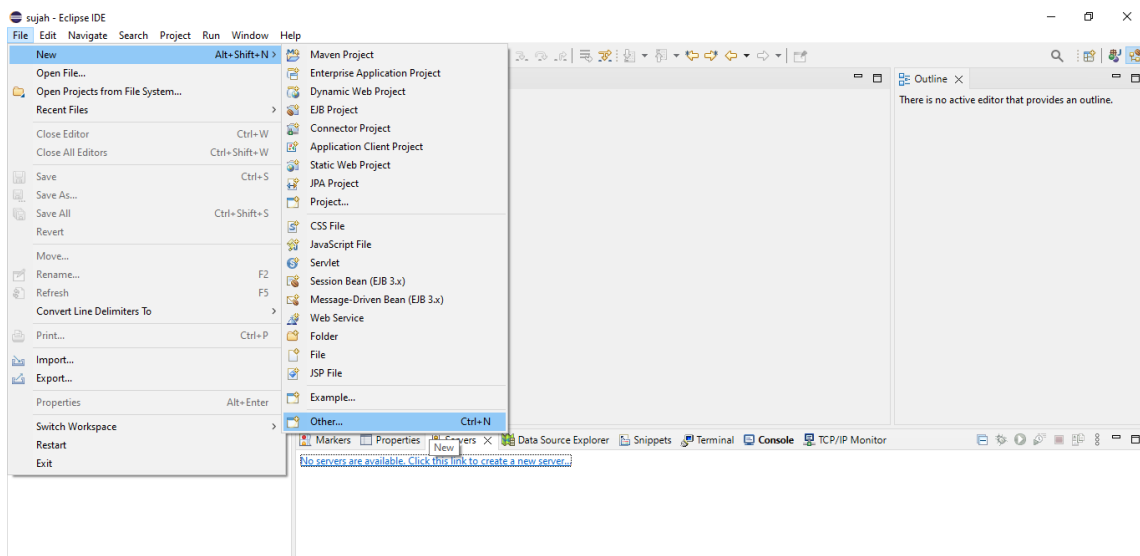


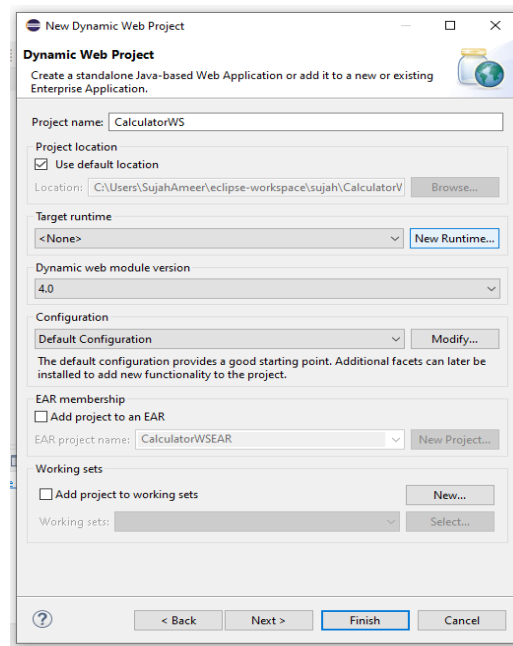
Title: Create SOAP web services using Java with Eclipse IDE.

Create Calculator Web Service



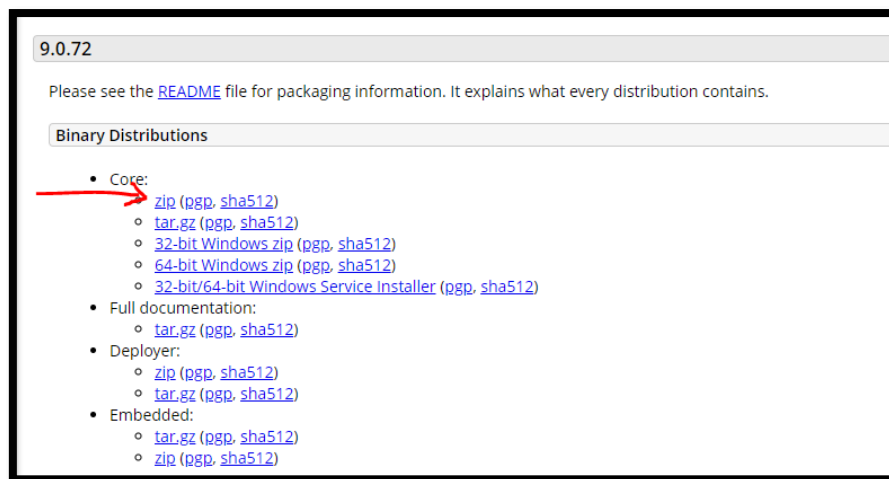
- Open the Eclipse IDE > Click File > New > Others > Web > Dynamic Web Project.



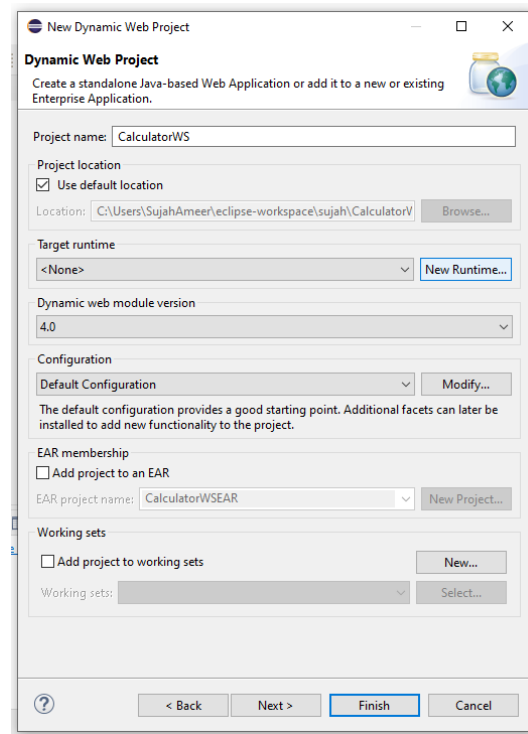


- Type the project name as **CalculatorWS** and need to select the **Target Runtime**.
- Then need to download the Apache Tomcat Server 9.0.
- Search in Google “Tomcat 9.0”
- Go to the Link

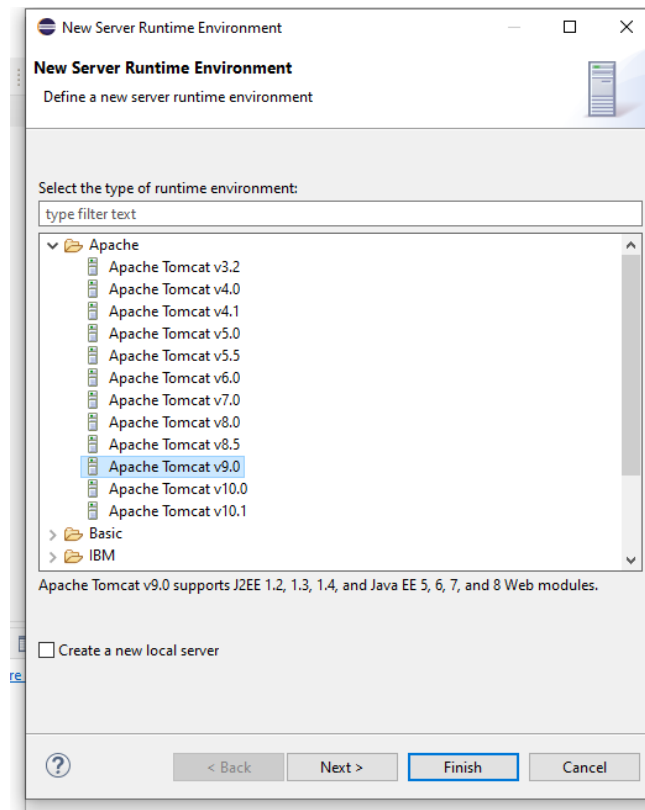
<https://tomcat.apache.org/download-90.cgi>

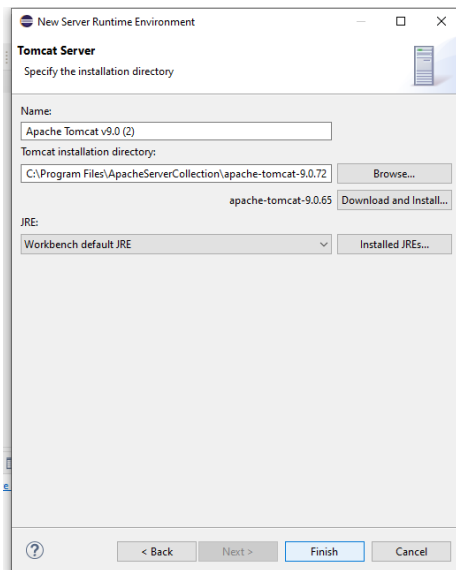


- Download the Zip
- Then extract the file and copy the location.
- Now Click the **New Run Time**

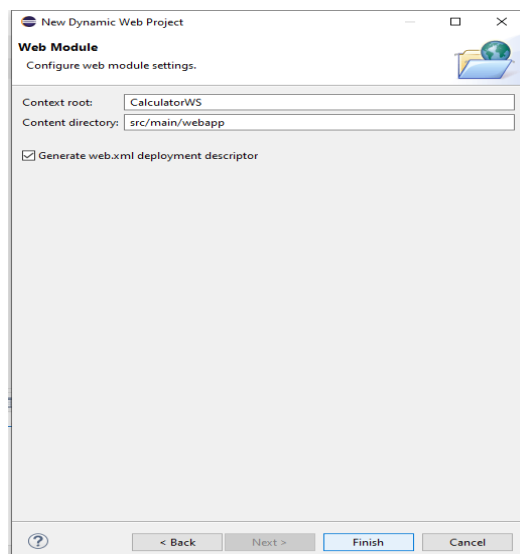
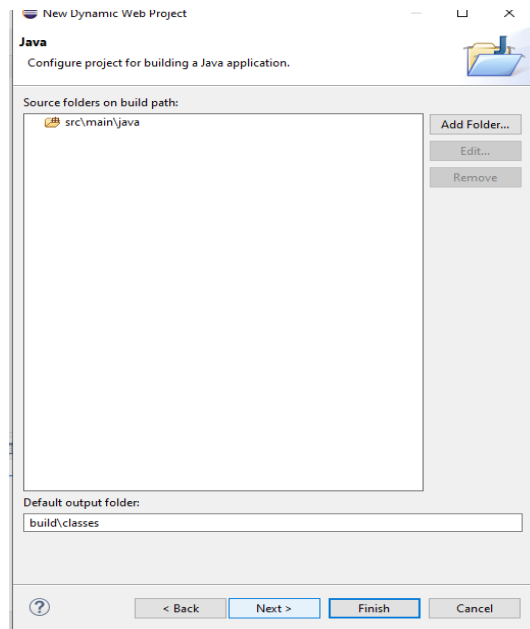


- Select Apache Tomcat v9.0 and enter the copied path and click finish. Look at the given images.

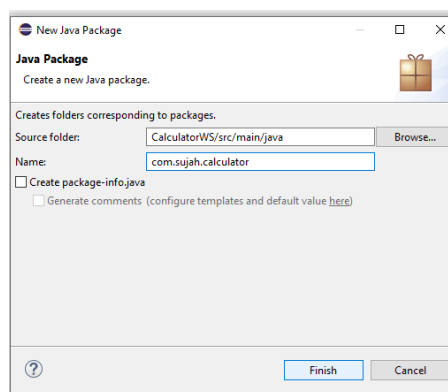
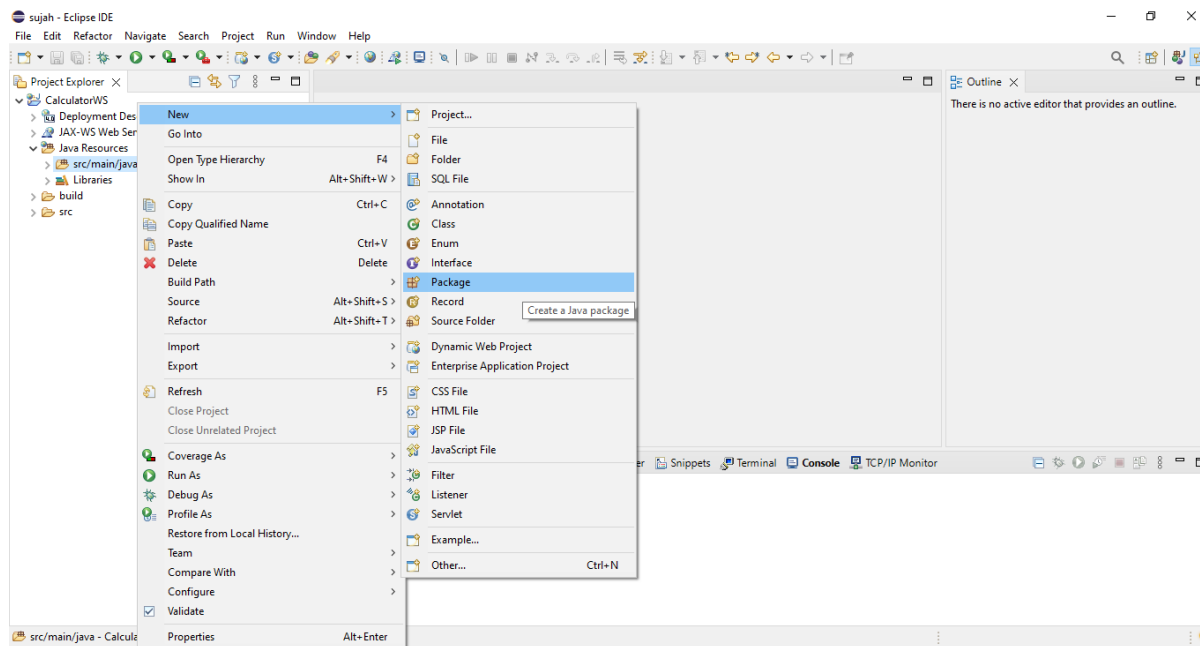




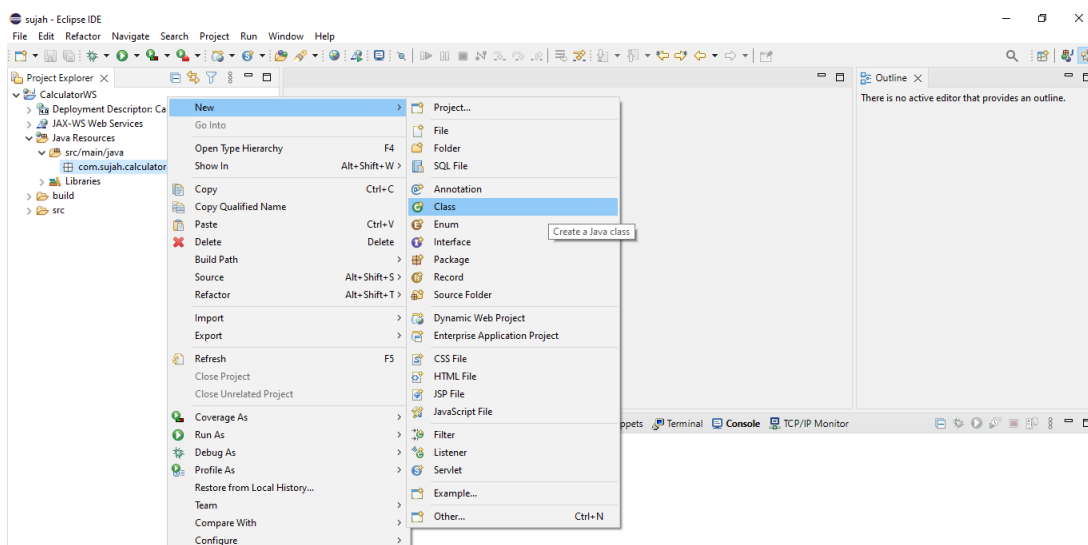
- Then click next and finish the project setup.

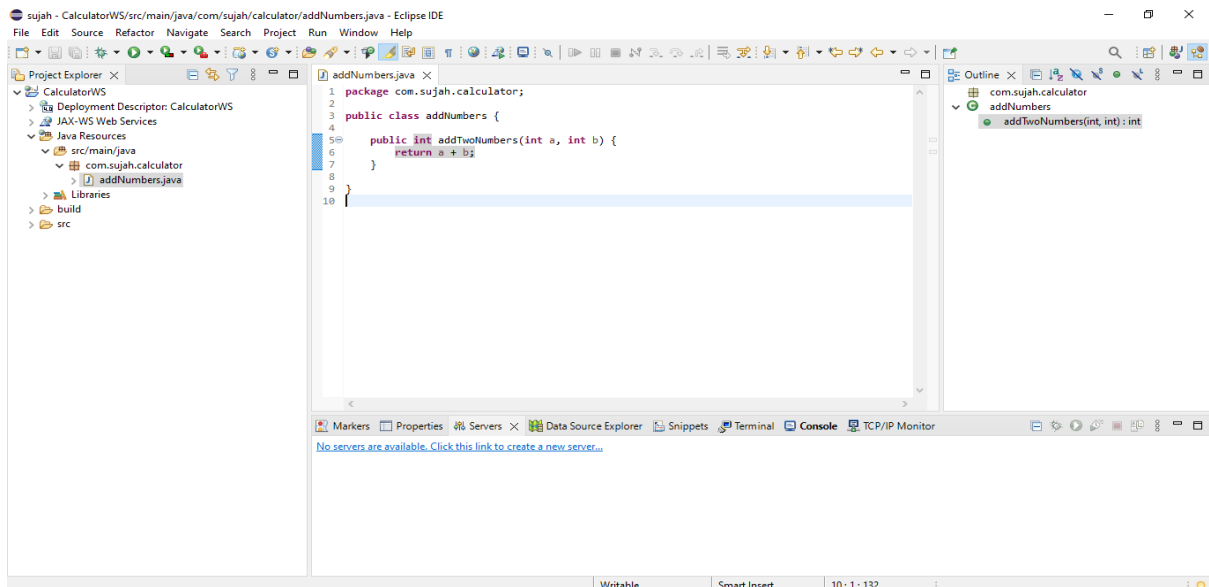
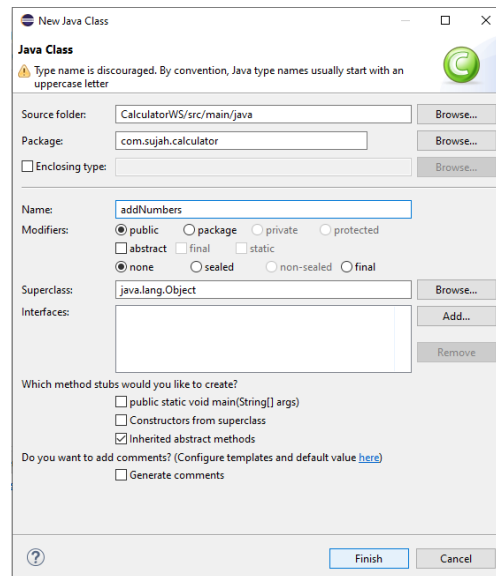


- Create New Package (Example: com.sujah.calculator)

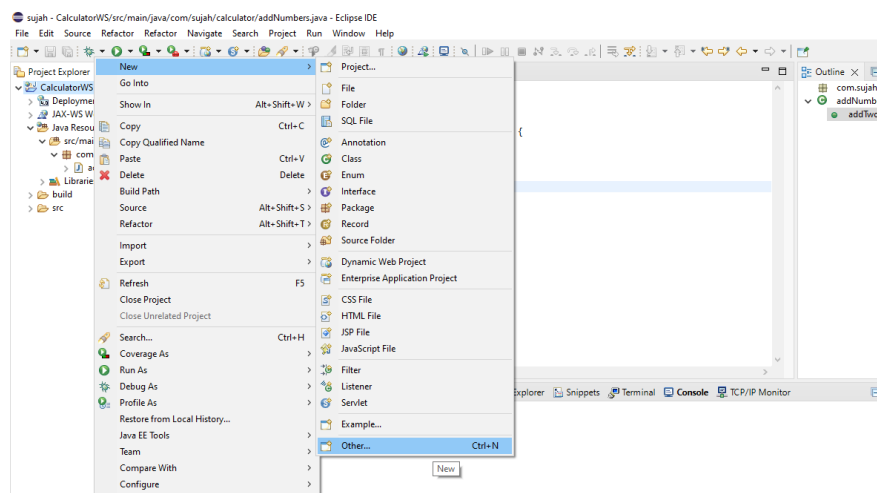


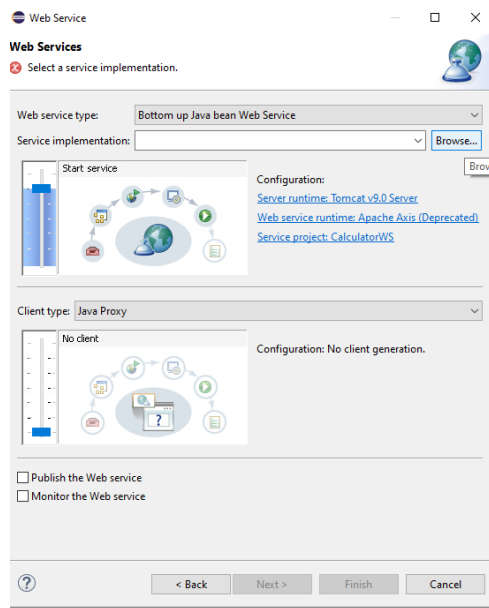
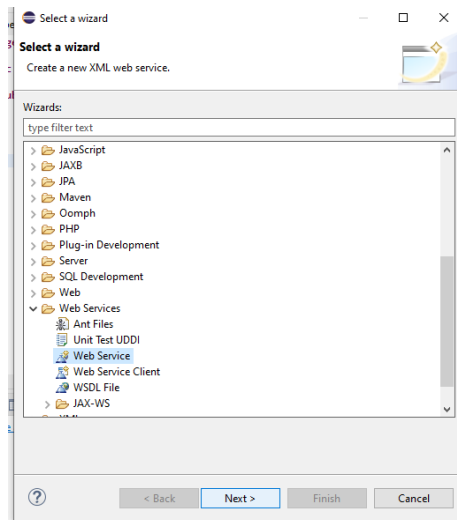
- Create new class and create a method for add two numbers.



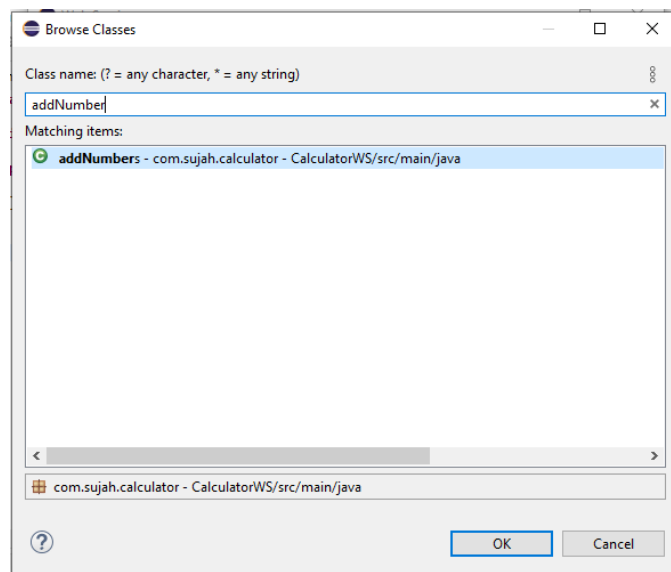


- Then need to create a web server to run the project.
- Right Click on the Project > New > Others > Web Services > Web Service
- Click Next.





- Browse and select the server implementation file and click next and start the server and click finish.



Web Service

Web Service Java Bean Identity

Configure the Java bean as a Web service.

WSDL file: addNumbers.wsdl

Methods

☒ addTwoNumbers(int,int)

Select All Deselect All

Style and use

☒ document/literal (wrapped)

☐ document/literal

☐ RPC/encoded

☐ Define custom mapping for package to namespace.

? < Back Next > Finish Cancel

Web Service

Server startup

Start the server from this page.

In order to proceed the server "Tomcat v9.0 Server at localhost" must be started.
Once the server is started the "next" button will be enabled.
The "back" button can be used while the server is starting to change any previous settings in this wizard.

Currently the server is stopped. Start server

Start the server

? < Back Next > Finish Cancel

Web Service

Web Service Publication

Do you want to publish your Web service?

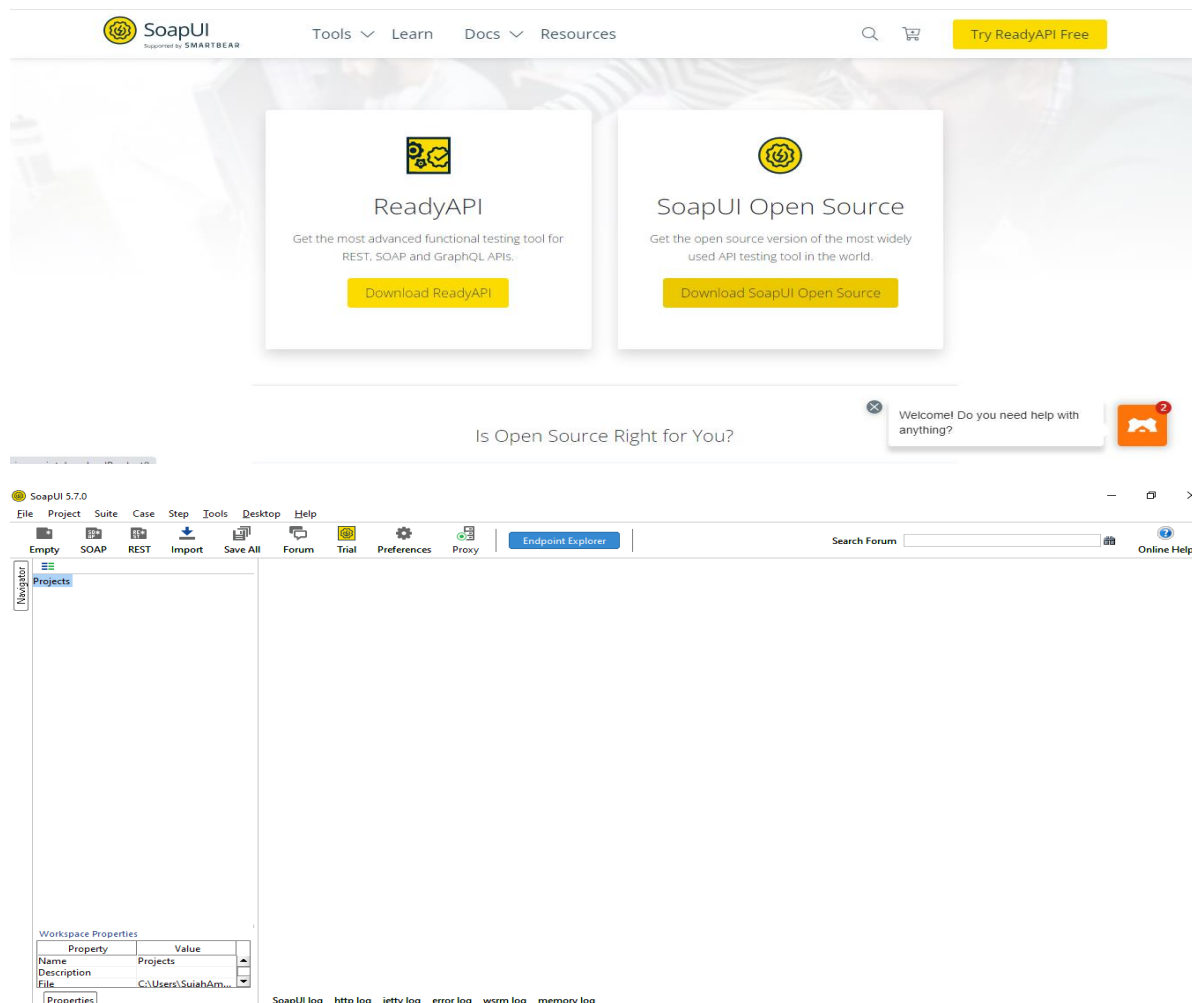
☐ Launch the Web Services Explorer to publish this Web service to the Unit Test UDDI Registry

☐ Launch the Web Services Explorer to publish this Web service to a UDDI Registry

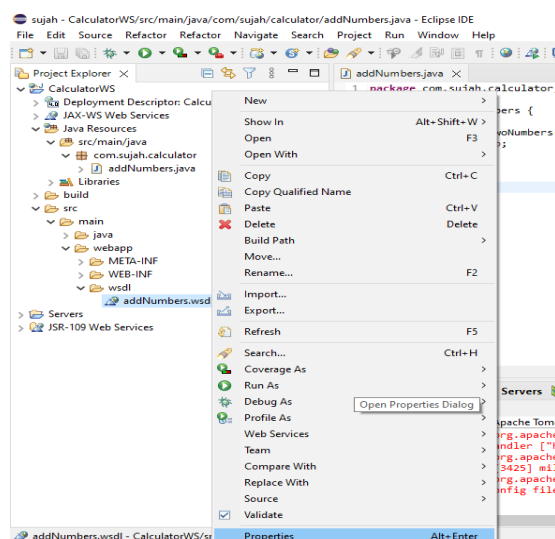
? < Back Next > Finish Cancel

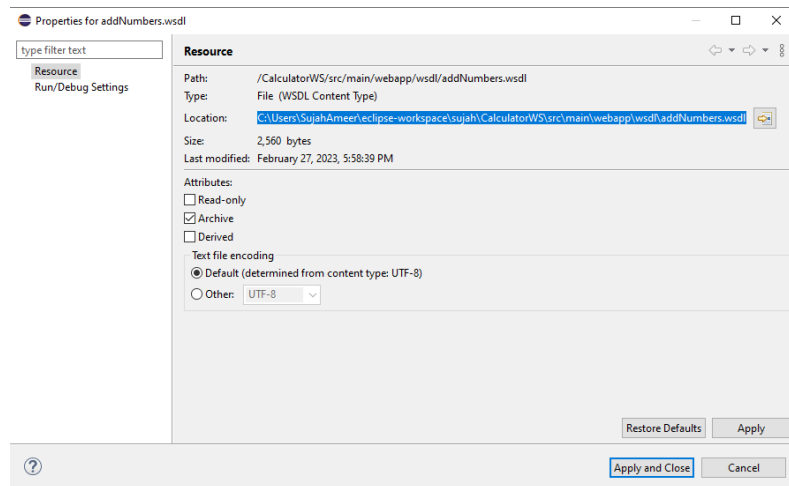
- Download the SOAP UI to create our client.
- Go to the Link and click download.

<https://www.soapui.org/downloads/soapui/>



- Then go to the wsdl folder in your project and right click and click the properties. Finally, Copy the location.





- Now open the SOAP UI and File > New SOAP Project > Give a name for your project and paste the URL.

