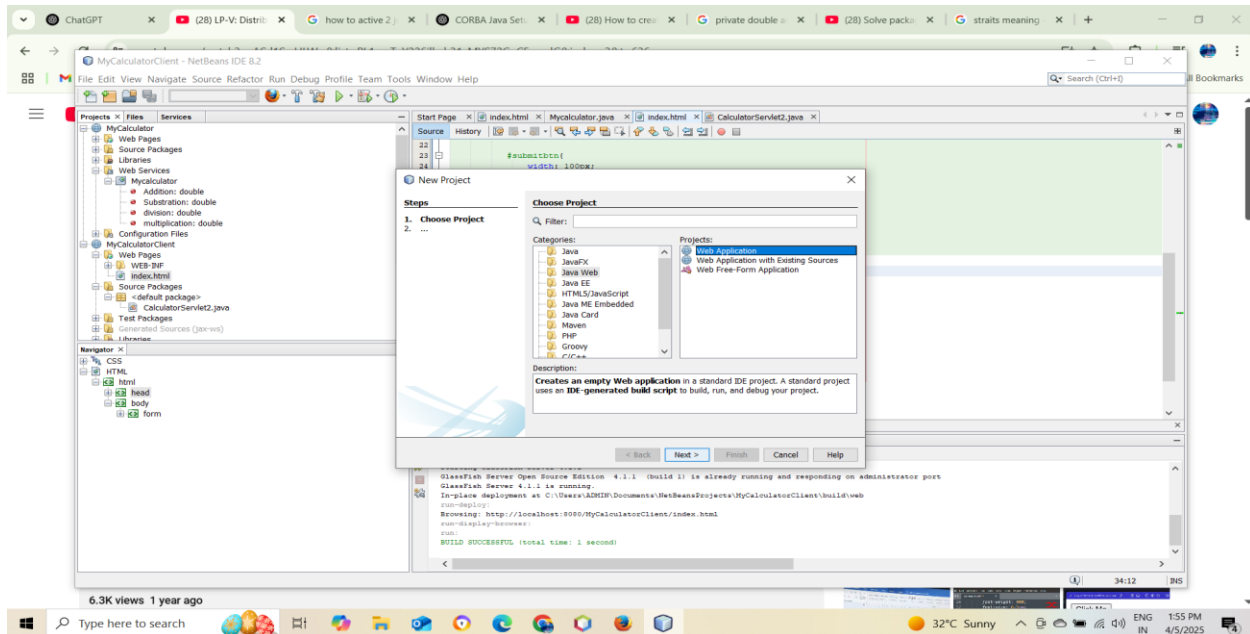
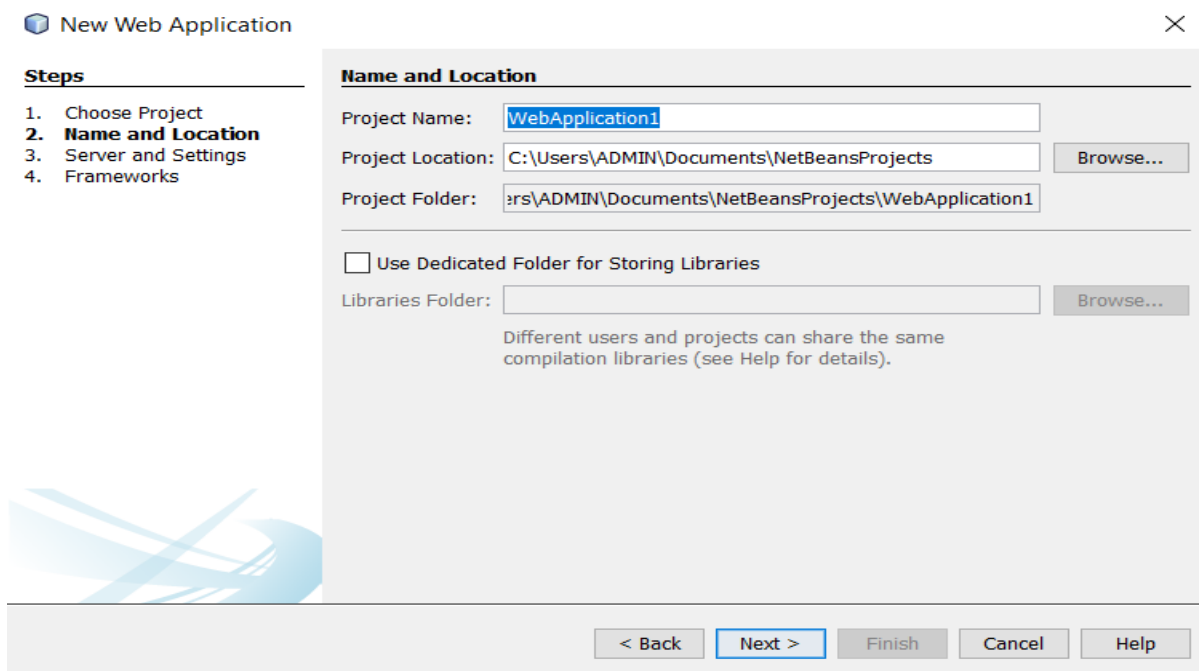


Assignment 8

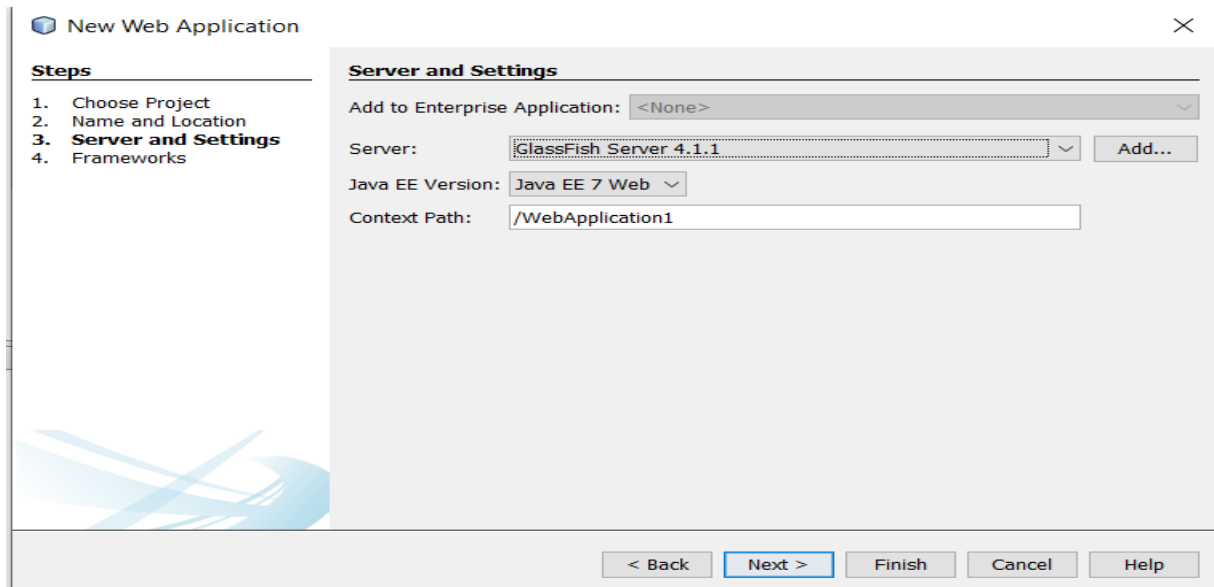
Step 1: Open the NetBeans 8.2 IDE and create a new project in it.



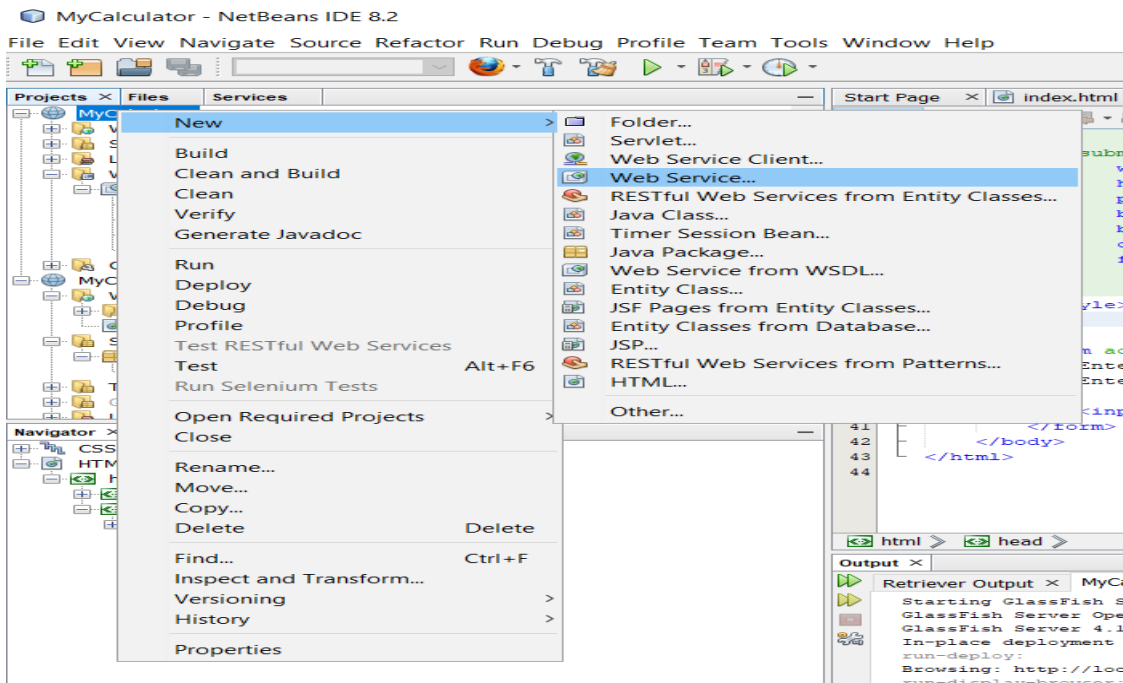
Step 2: name the file appropriately, and choose the desired location to save it.



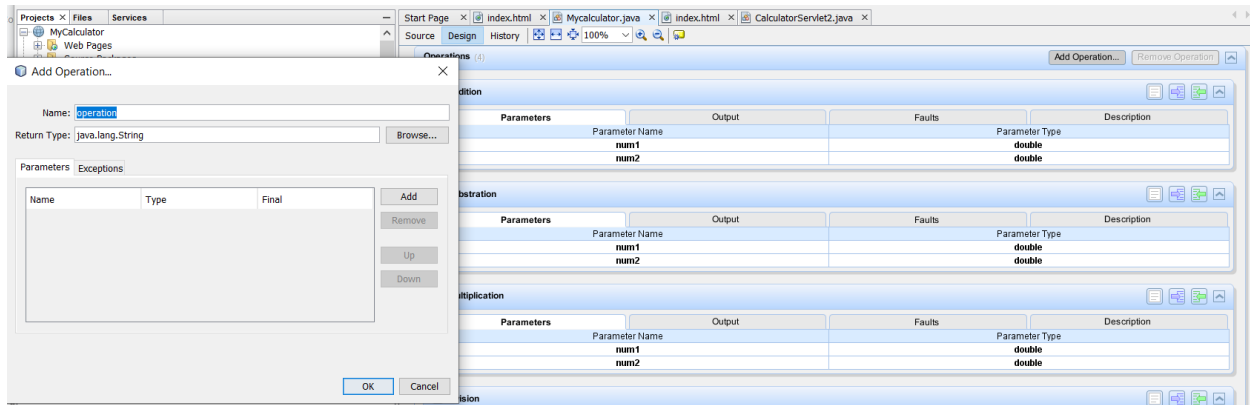
Step 3: Then, select the appropriate server, Java version, and other required settings, and click 'Finish' to complete the setup.



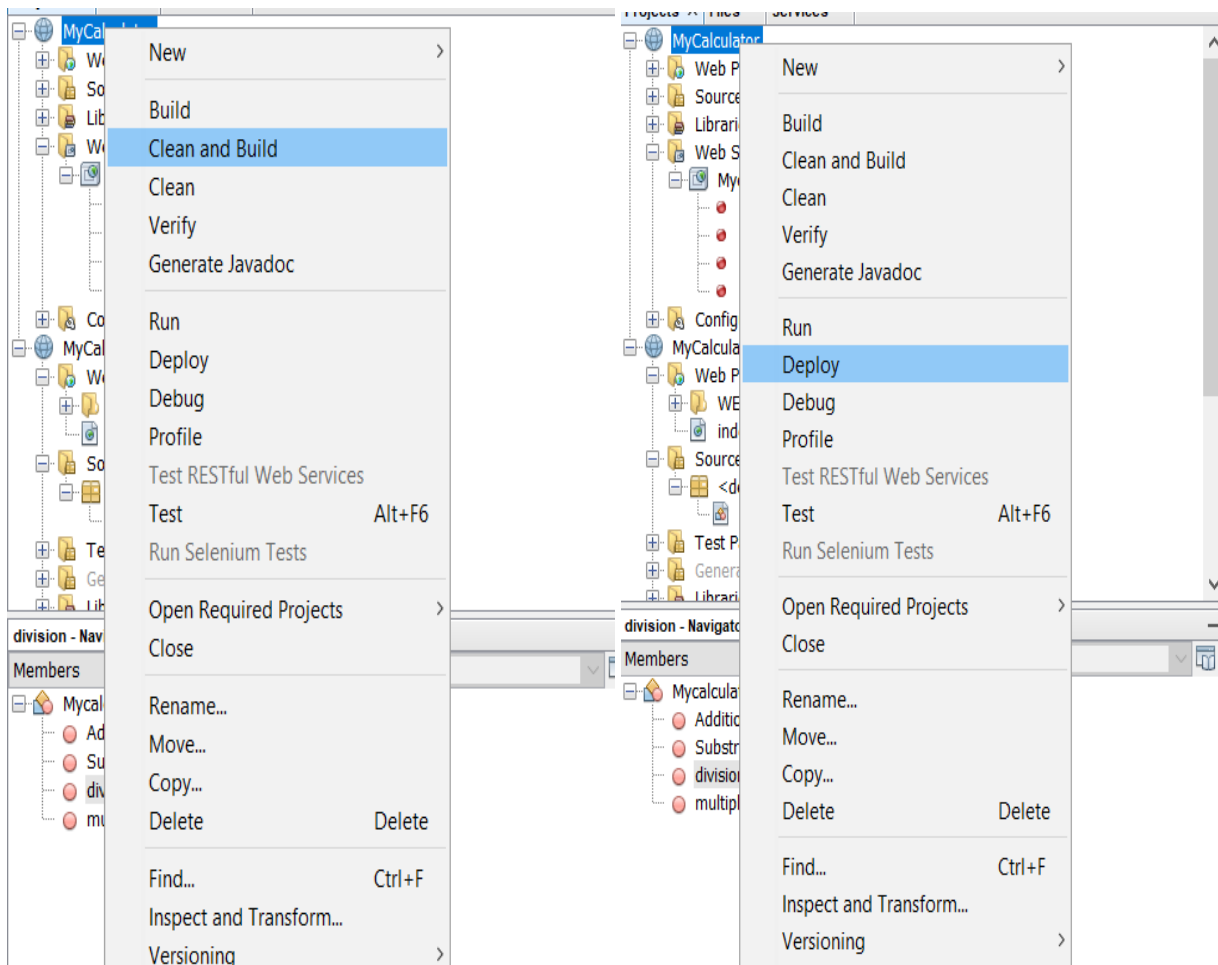
Step 4: Right-click on the project name, then choose *New > Web Service*.



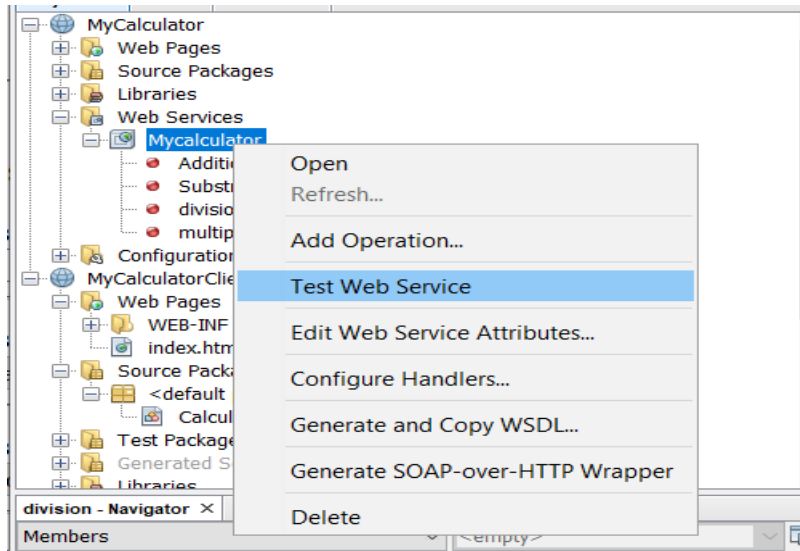
Step 5: After the web service is created, right-click on *Web Services* and select *Add Operation*. Then, add the required operation.



Step 6: After the operations are added, right-click on the project, then click *Clean and Build*, and finally click *Deploy*.



Step 7: Now the server is ready. You can verify it by clicking on *Web Services* and selecting *Test Web Services*.



Output of server....

MyCalculator Web Service Tester x MyCalculator Web Service Tester x Method invocation trace x Servlet Calculator Servlet output x +

localhost:8080/Calculatorapp/MyCalculator?Tester

Mycalculator Web Service Tester

This form will allow you to test your web service implementation ([WSDL File](#))

To invoke an operation, fill the method parameter(s) input boxes and click on the button labeled with the method name.

Methods :

public abstract double com.myservice.Mycalculator.add(double,double)

add ()

public abstract double com.myservice.Mycalculator.multiplication(double,double)

add parameter of type double
multiplication ()

public abstract double com.myservice.Mycalculator.subtraction(double,double)

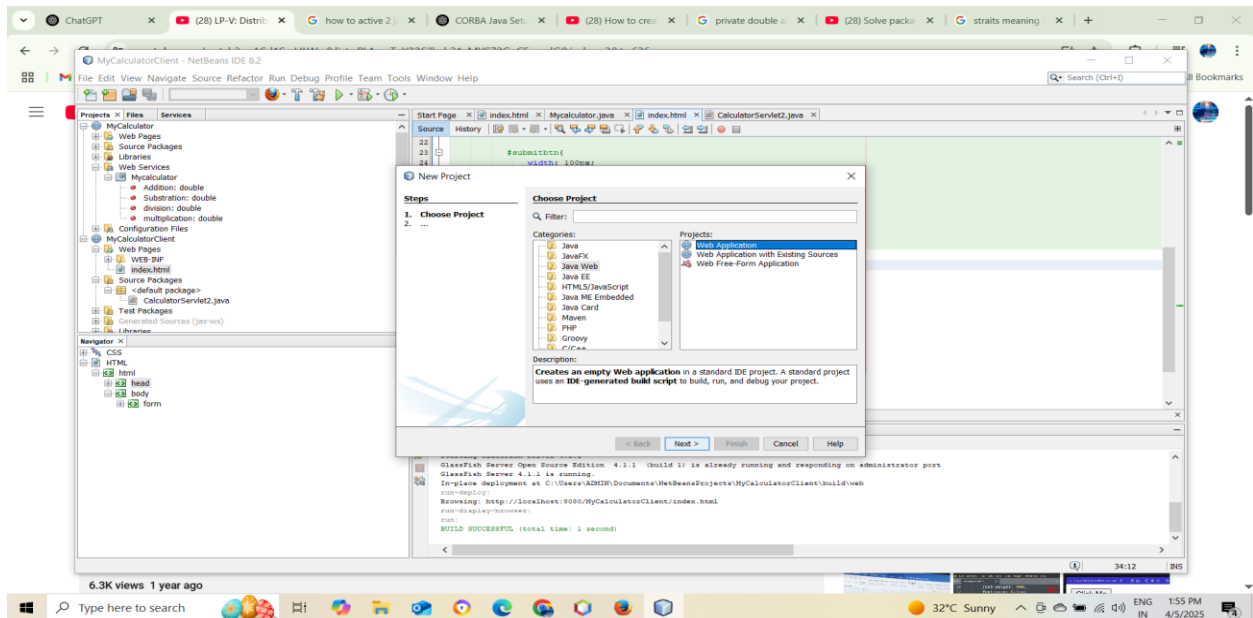
subtraction ()

public abstract double com.myservice.Mycalculator.division(double,double)

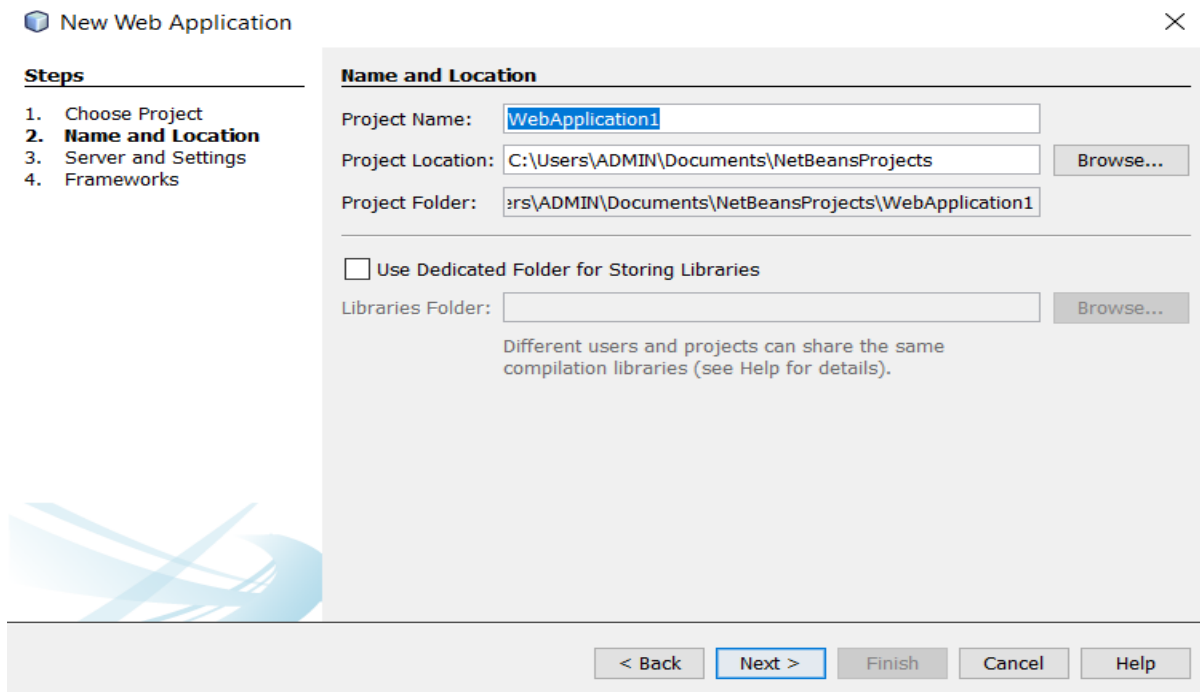
division ()

Now Client Part

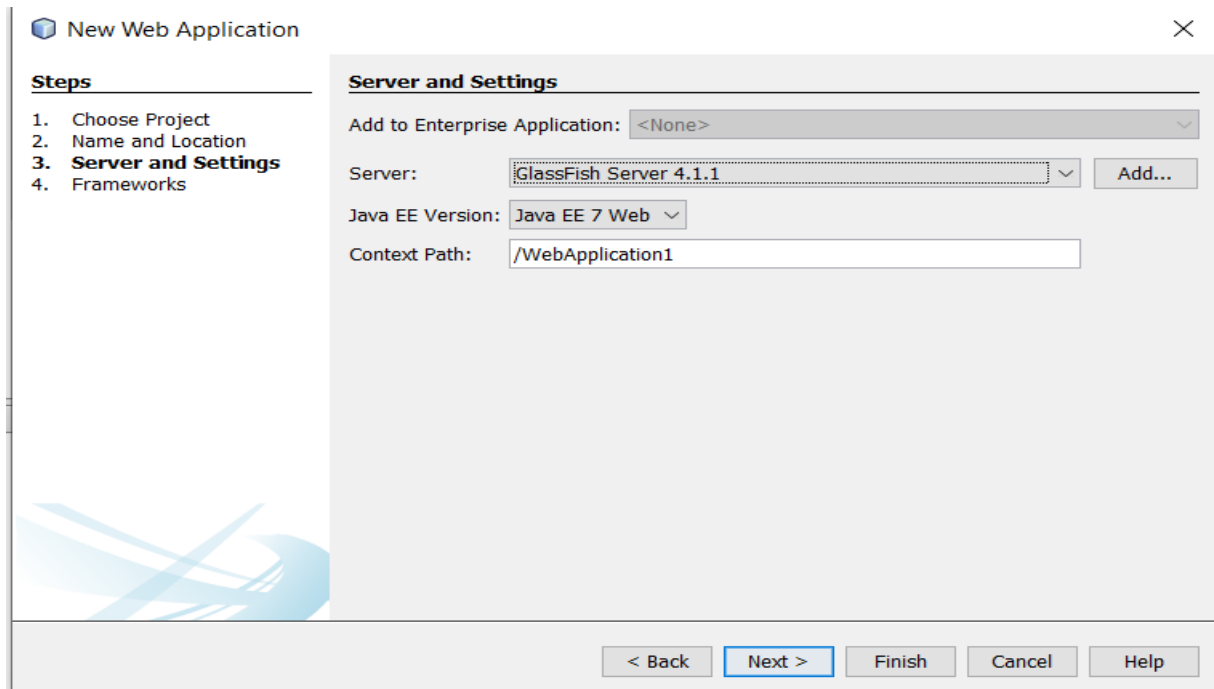
Step 1: Go to **File > New Project**.



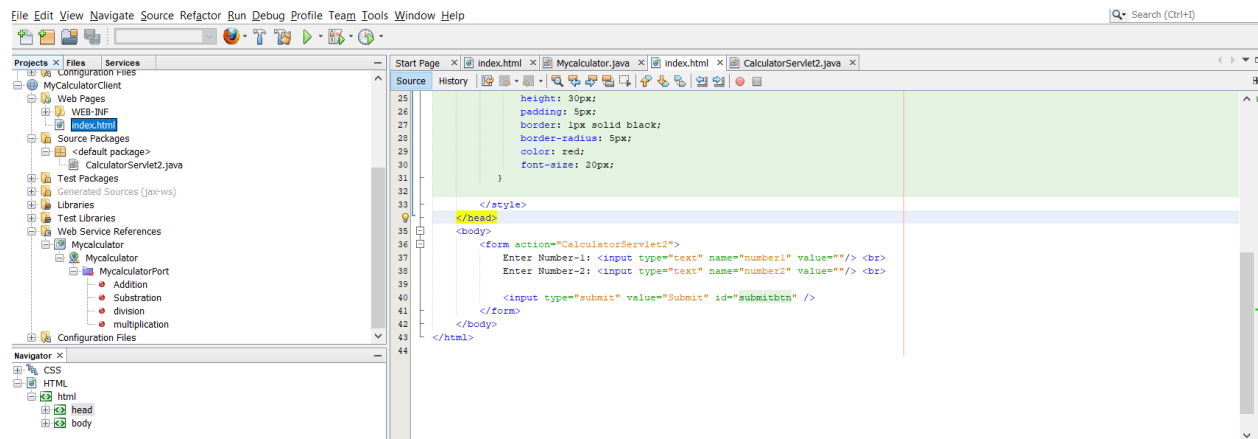
Step 2: Click **Next**, name the project, choose the location, and click **Next**.



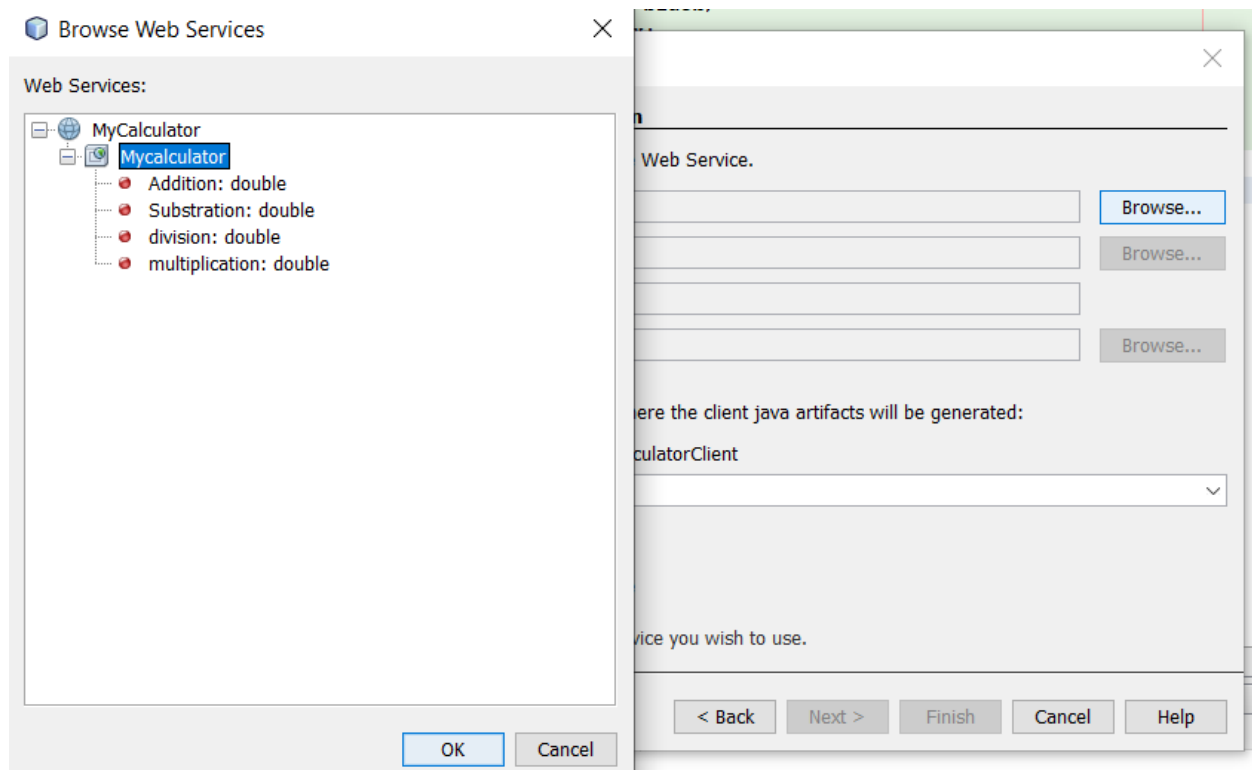
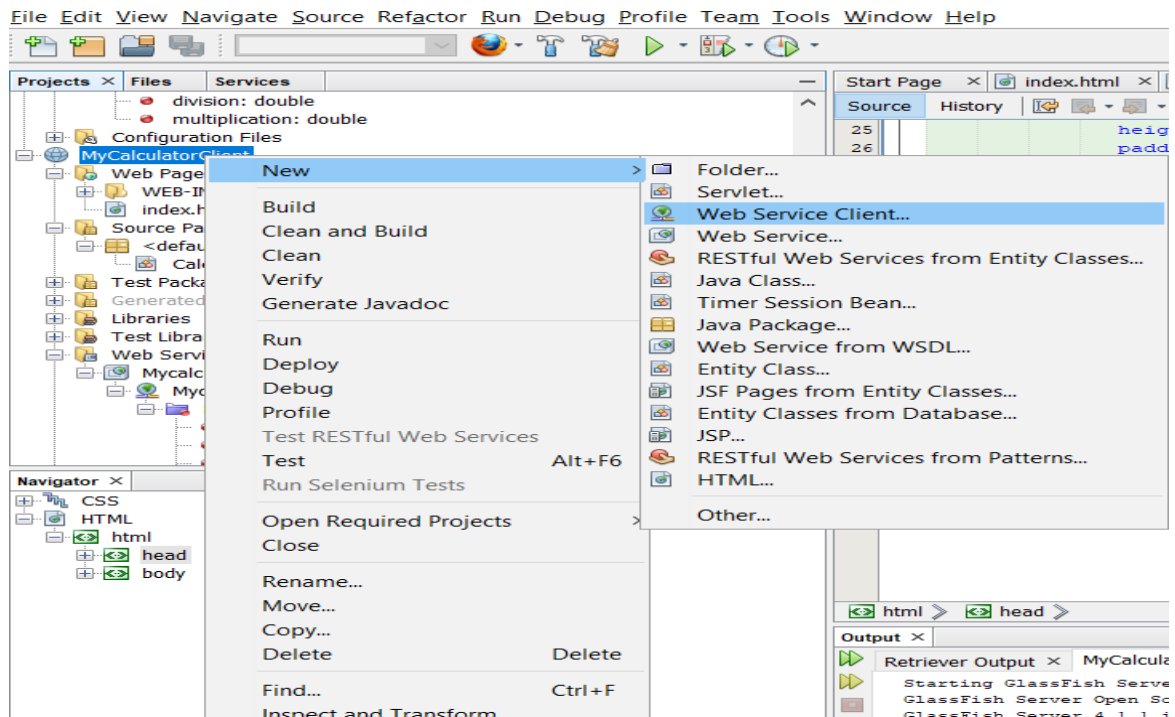
Step 3: Then, select the appropriate server, Java version, and other required settings, and click 'Finish' to complete the setup.



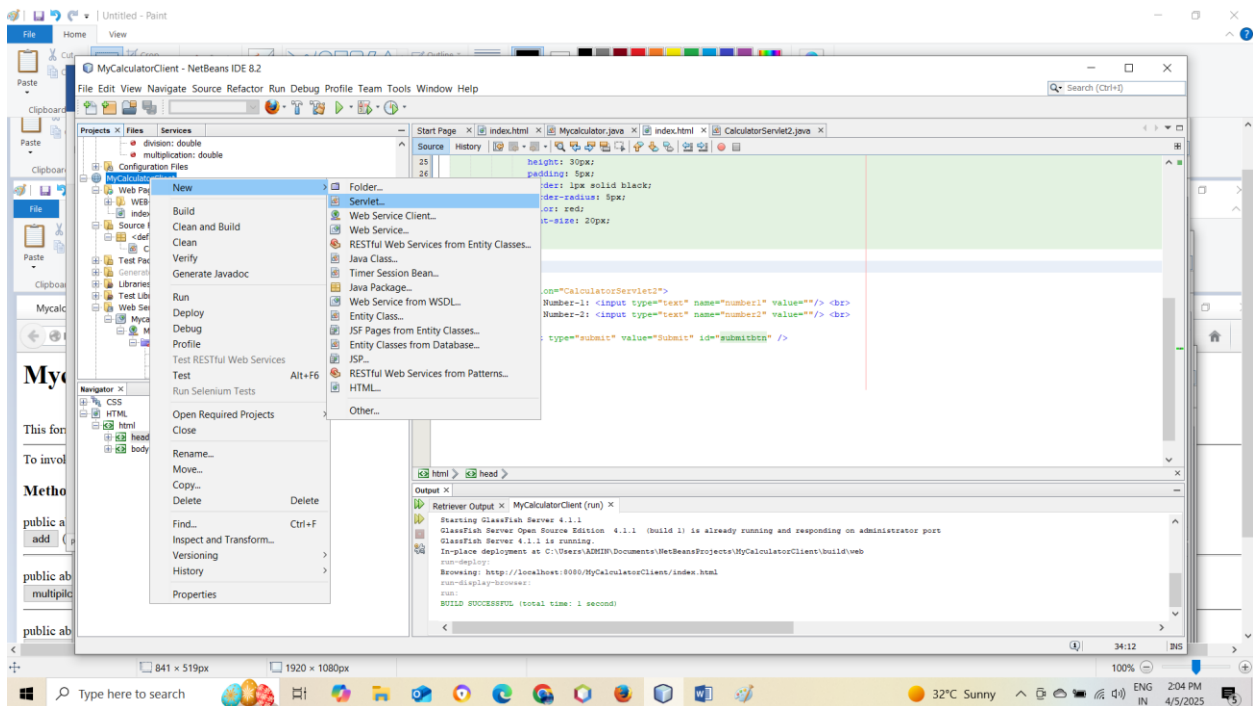
Step 4: We can now edit the `index.html` page to design the front end.



Step 5: Right-click on the project name. Select **New > Web Service Client**. In the dialog box, choose the **WSDL URL** or **Project** where the web service resides. Click **Finish** to generate the client-side proxy classes.



Step 6: Now, right-click on the project, select *New > Servlet*, and create a new servlet.



New Servlet

Steps

1. Choose File Type
2. **Name and Location**
3. Configure Servlet Deployment

Name and Location

Class Name:

Project:

Location:

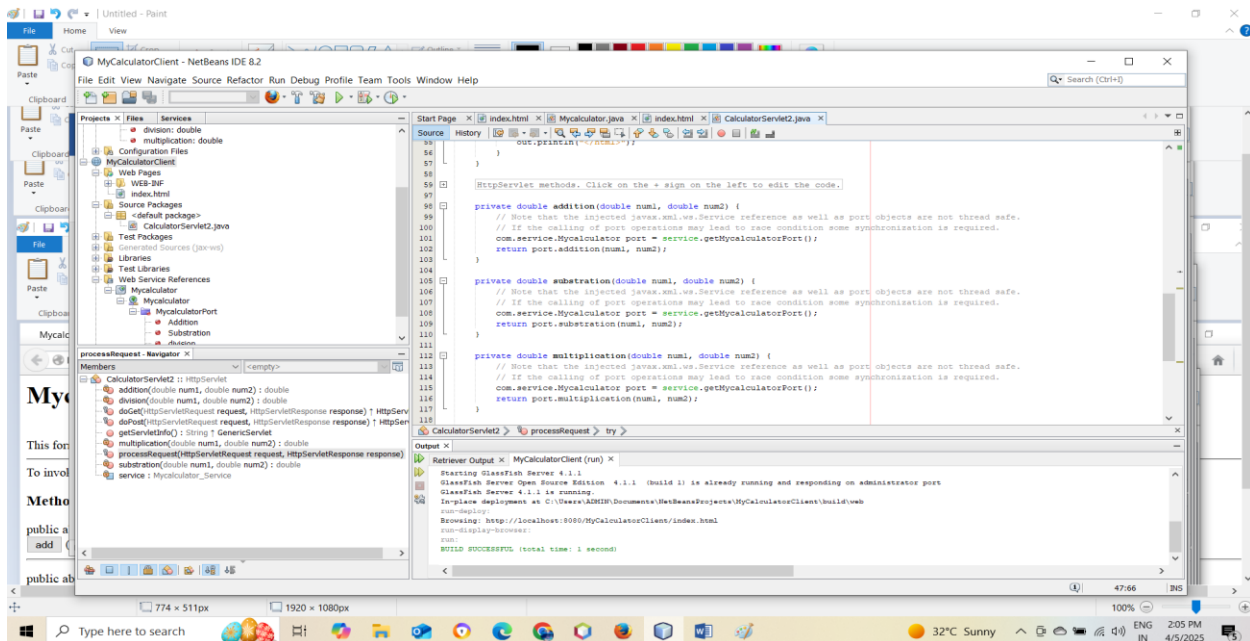
Package:

Created File:

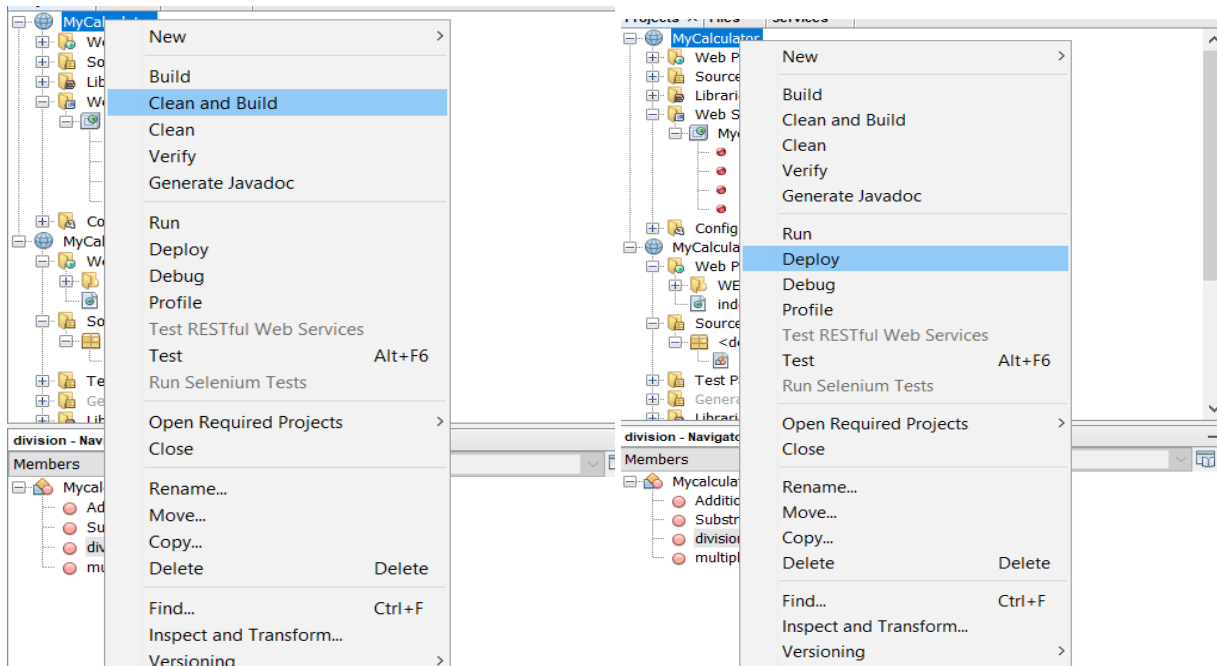
Warning: It is highly recommended that you do not place Java classes in the default package.

< Back Next > Finish Cancel Help

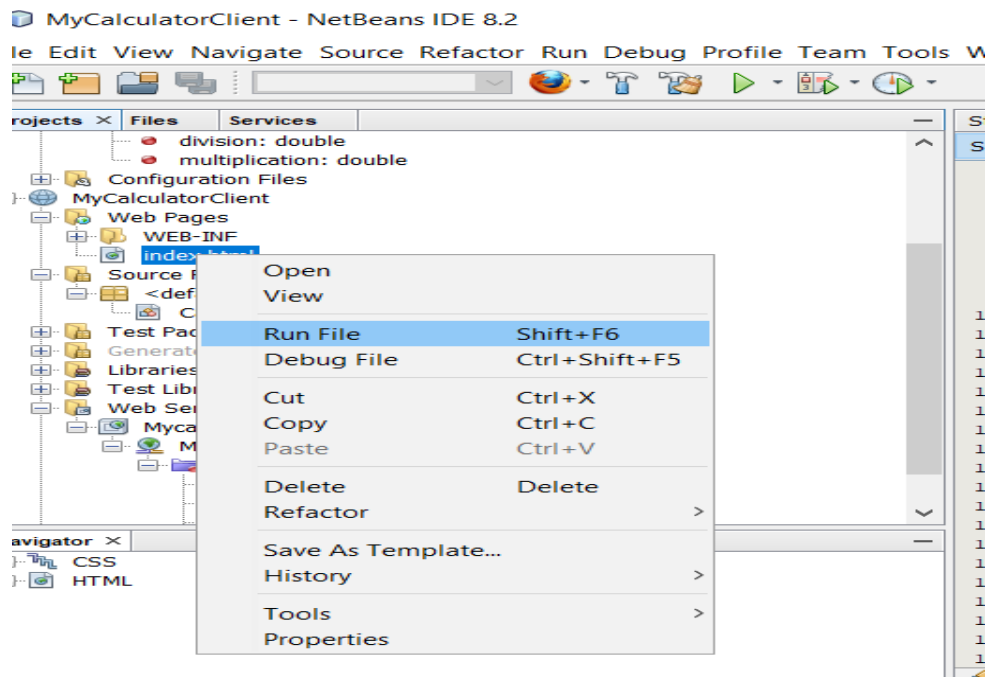
Step 7: Now, drag and drop the web service reference into the servlet file to enable calling the web service methods within the servlet.



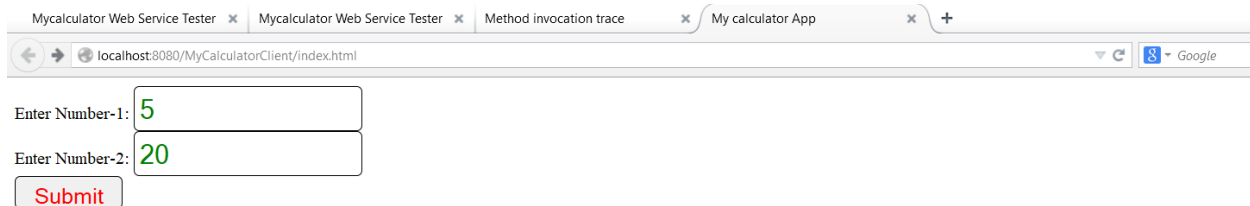
Step 8: After integrating the web service into the servlet, right-click on the project, select *Clean and Build*, and then click *Deploy*.

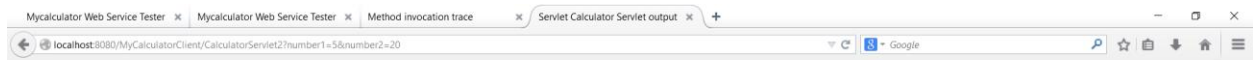


Step 9 : In the *Web Pages* folder, right-click on `index.html`, then click *Run File*.



Now the client is also ready. We can provide the input, and based on the input, we will receive the corresponding output.





Servlet Addition is 25.0

Servlet substraction is -15.0

Servlet multiplication is 100.0

Servlet division is 0.25

