Implementing the solution:

1. Creating a web service CalculatorWSApplication:

Create New Project for `CalculatorWSApplication`.
Create a package `org.calculator` Create class `CalculatorWS`.

Right-click on the `CalculatorWS`and create New Web Service.
IDE starts the glassfish server, builds the application and deploys the application on server.

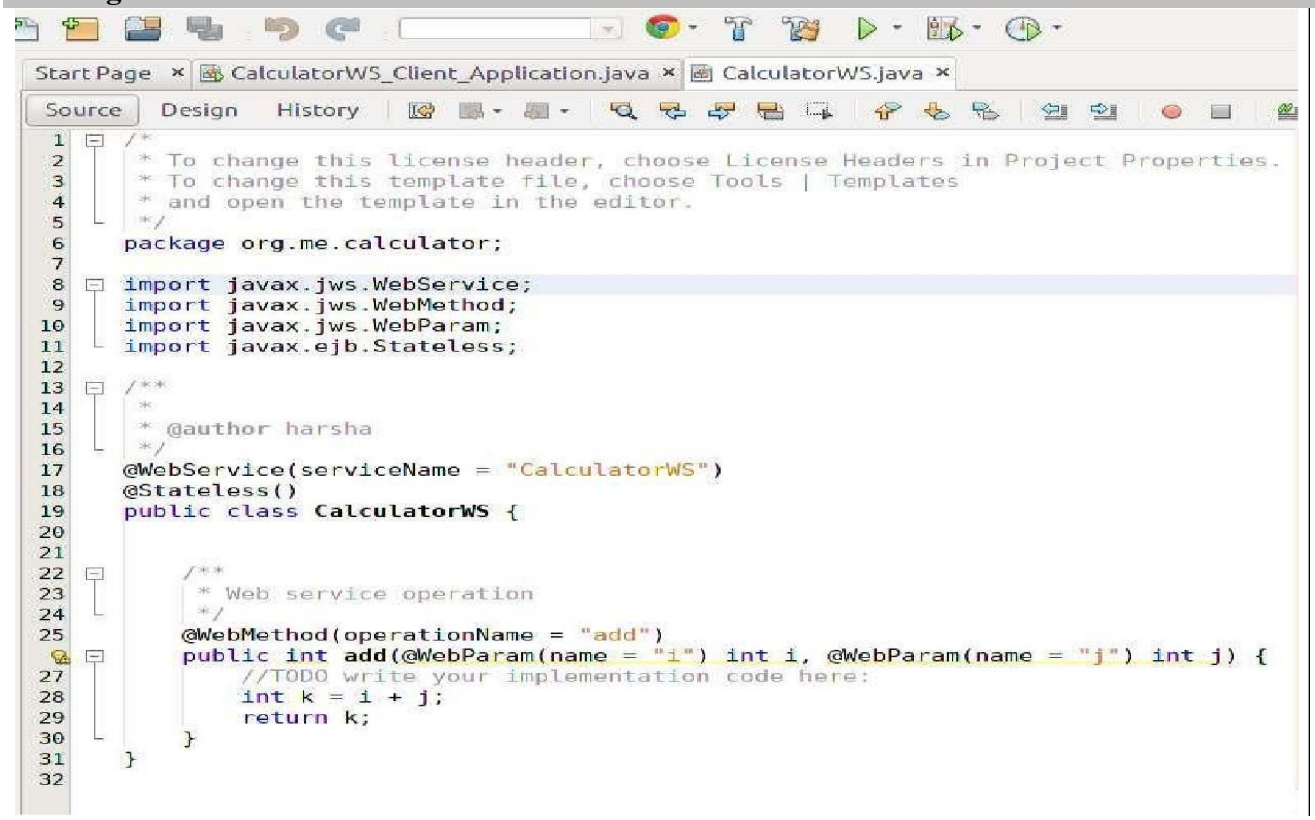
2. Consuming the Webservice:

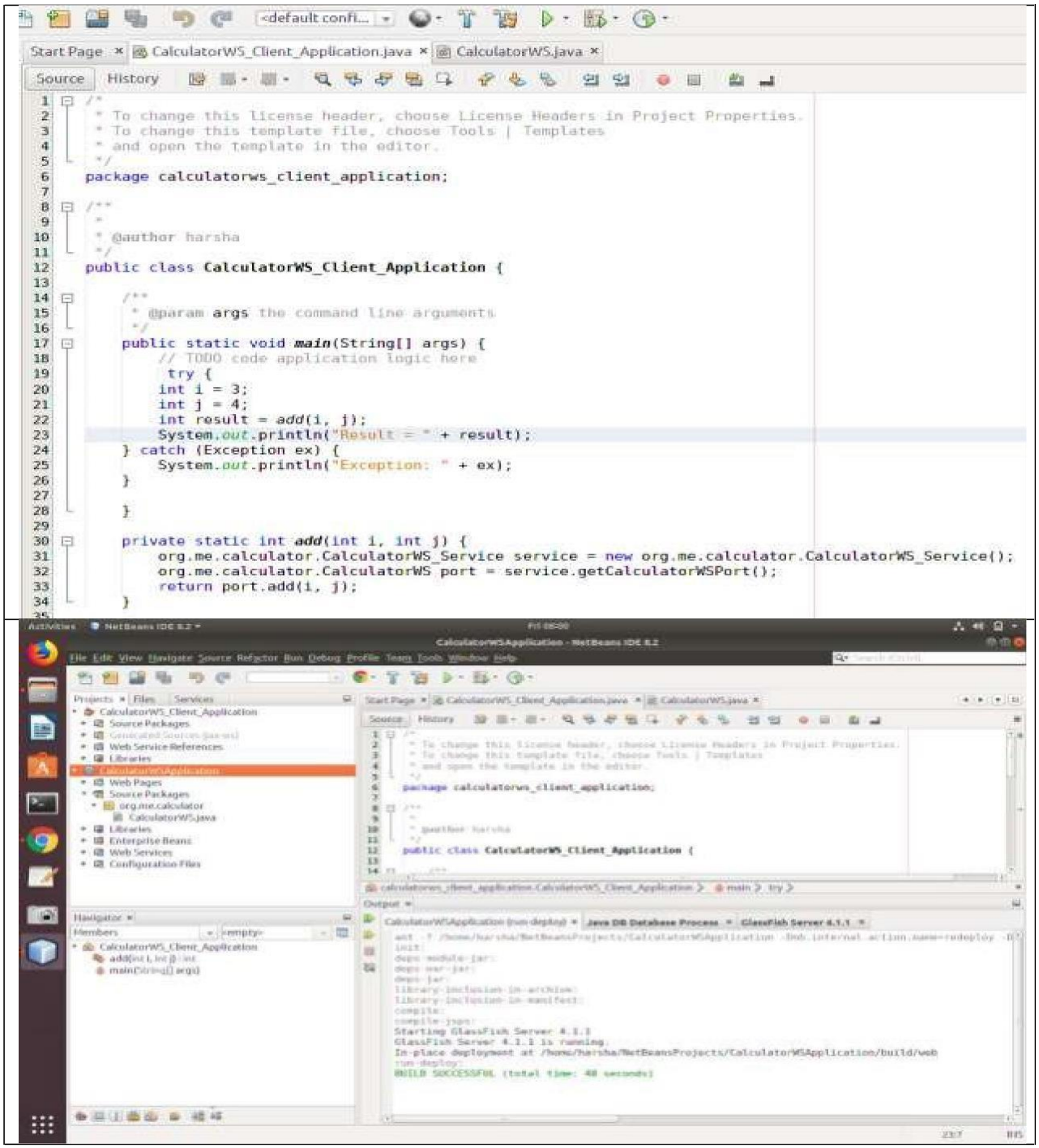
Create a project with an `CalculatorClient` Create package `org.calculator.client`; add java class `CalculatorWS.java`, `addresponse.java`, `add.java`, `CalculatorWSService.java` and `ObjectFactory.java`

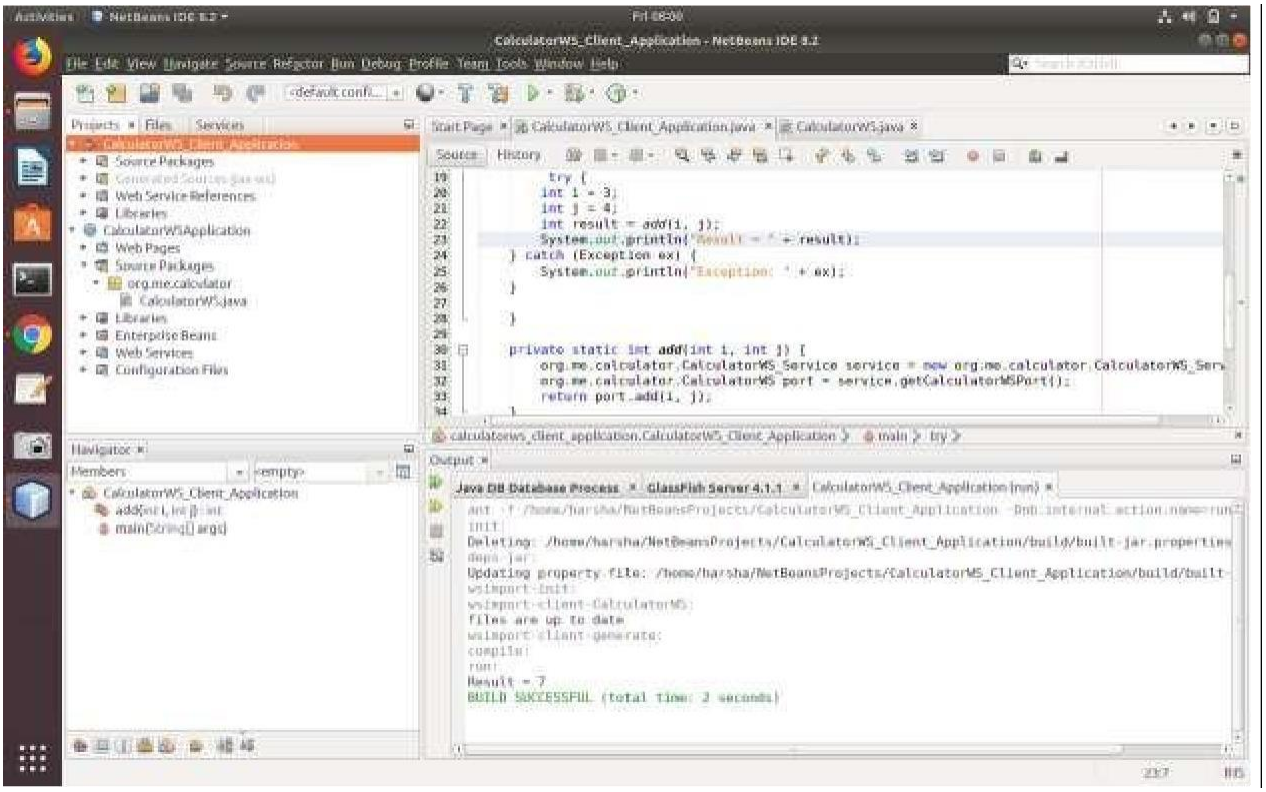
3. Creating servlet in web application

Create new jsp page for creating user interface.

Writing the source code:

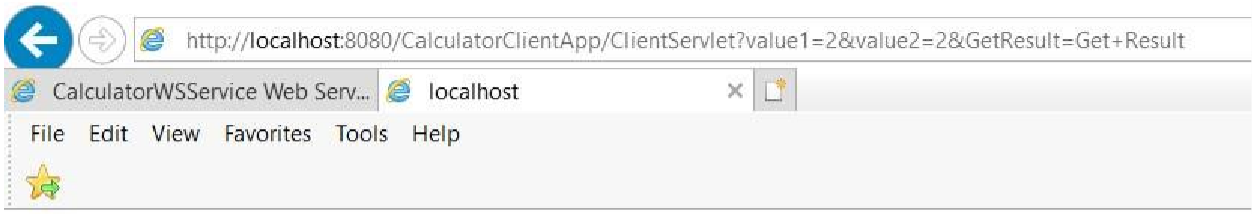



Start Page
CalculatorWS_Client_Application.java
CalculatorWS.java
Source
History
/*
* To change this license header, choose License Headers in Project Properties.
* To change this template file, choose Tools | Templates
* and open the template in the editor.
*/
package calculatorws_client_application;
/**
*
* @author harsha
*/
public class CalculatorWS_Client_Application {
/**
* @param args the command line arguments
*/
public static void main(String[] args) {
// TODO code application logic here
try {
int i = 3;
int j = 4;
int result = add(i, j);
System.out.println("Result = " + result);
} catch (Exception ex) {
System.out.println("Exception: " + ex);
}
}
private static int add(int i, int j) {
org.me.calculator.CalculatorWS_Service service = new org.me.calculator.CalculatorWS_Service();
org.me.calculator.CalculatorWS port = service.getCalculatorWSPort();
return port.add(i, j);
}



Compiling and Executing the solution:

Right Click on the Project and Choose Run.



Servlet ClientServlet at /CalculatorClientApp

Result: 2 + 2 = 4