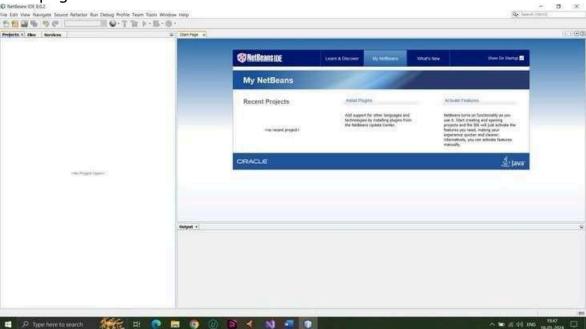
## **Practical 1**

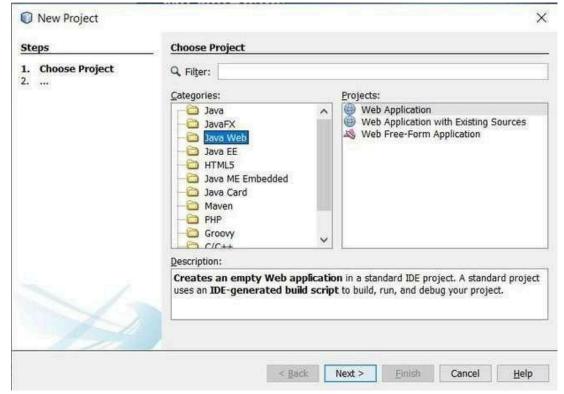
Aim: Create a Simple SOAP service for consuming java web services in java.

#### Steps:

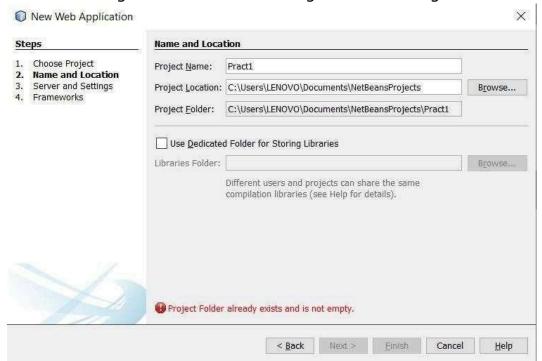
1. Open the NetBeans , and you will get the following screen. Close the start page.



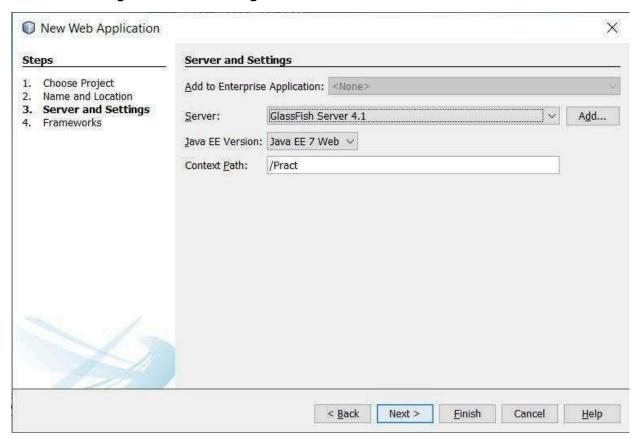
2. Now click on the file tab and click on new project you will get the following screen :



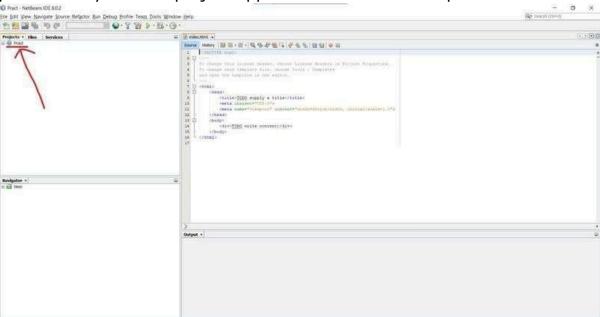
3. In Categories select Java Web and in Projects, Select Web Application. After selecting click on next You will get the following window:



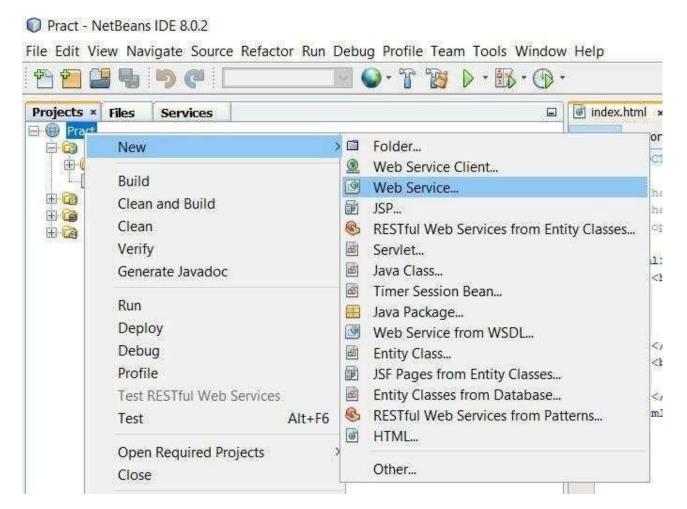
4. Now Give name to the Project Name: , and click on next. You will get the following window then again click on finish



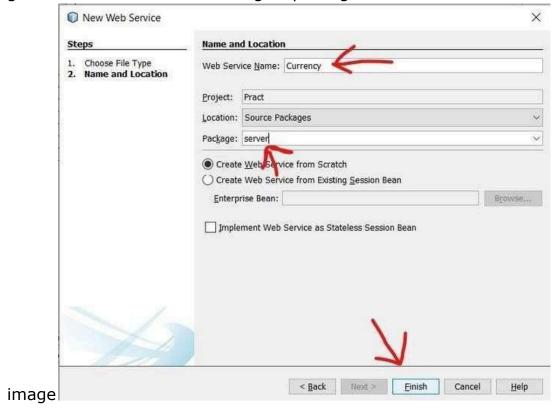
5. You will get the following screen now carefully see in projects section your recently created project appears double click to expand it:



6. Now Right click on the project and select new and then select Web Service ,As shown Below



7. After clicking Web Service the following window should appear, now give name to web service and give package as "server". As shown in the

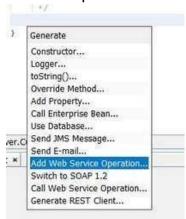


After clicking finish you should get the following window erase the mentioned code

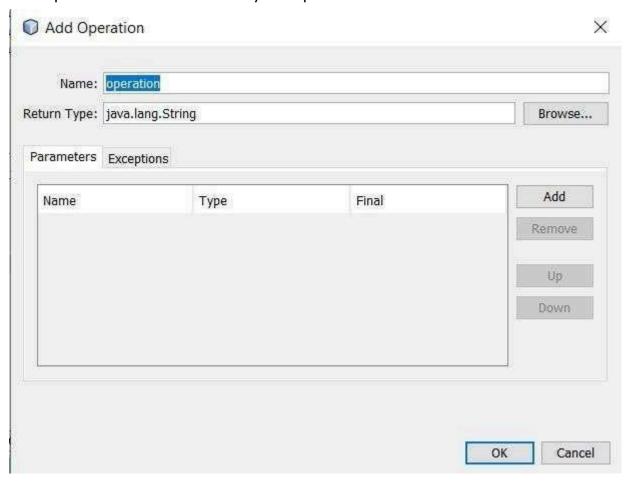
```
Currency.java ×
Source Design History 🔯 🖫 + 📳 + 🕄 🔁 🖶 📮 📮 🔗 😓 😉 💇 📦 📵 🏙 🚅
       * To change this license header, choose License Readers in Project Properties.
      * To change this template file, choose Tools | Templates
       * and open the template in the editor.
     package server;
   import javax.jws.WebService;
      import javax.jws.WebMethod;
    import javax.jws.WebParam;
10
11
12 📮 /**
14
      * @author LENOVO
15
      @WebService(serviceName = "Currency")
16
17
      public class Currency {
18
19 □
           . This is a sample web a
20
21
          @WebMethod(operationName = "hello")
          public String hello(@WebParam(name = "name") String txt) {
24
              return "Hello " + txt + " !";
25
26
27
```

8. Now right click anywhere and click on insert code and select Add Web

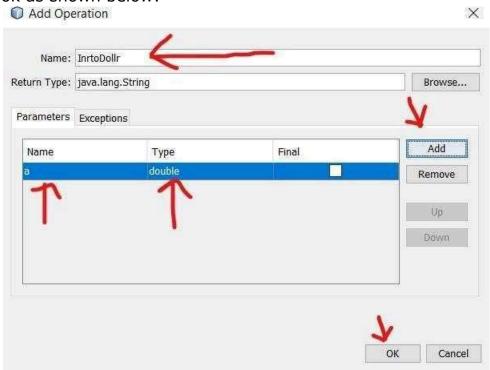
## Service Operation



9. The following window would appear:
Just give name to the method or operation and click on add button to
add parameters to the method as here we are converting dollar to
rupees we should need only one parameter.



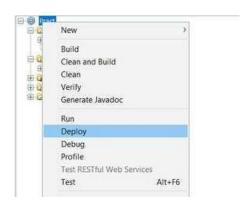
10. Give the name to the variable select data type as double and click on ok as shown below:



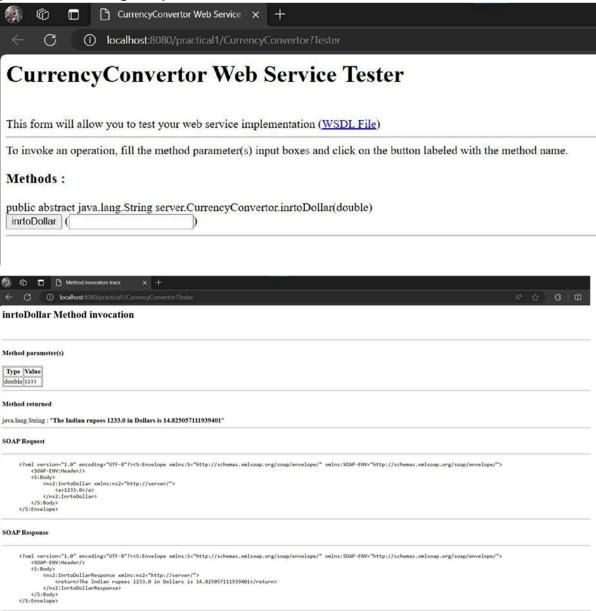
11. After clicking ok code will auto generated , make changes In that code as mentioned below:

```
@WebMethod(operationName = "InrtoDollar")
public String InrtoDollar(@WebParam(name = "a") double a) {
    //TODO write your implementation code here:
    return "The Indian rupees "+a+" in Dollars is "+(a/83.17);
}
```

12. Now our web service is ready now right click on project and click on deploy



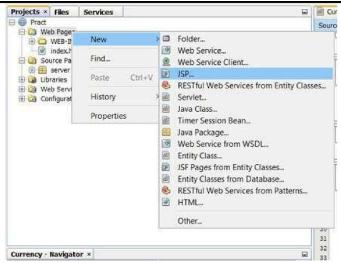
13. Now right click on web service and click on "test web service" you will get the following output:



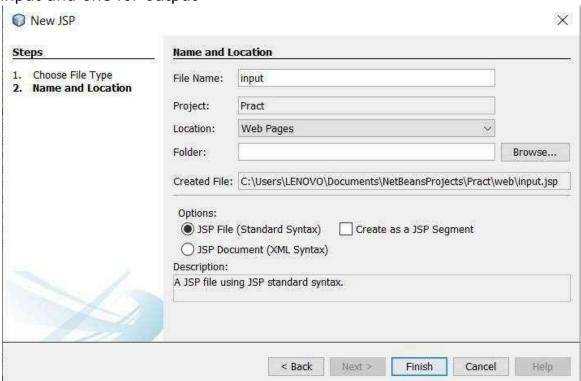
So this is how we created our web service and deployed it.

## Creating a java Client using jsp

14. Now our web service is successfully deployed. Right click on web pages and select new and select jsp as shown below:



15. Give name and click on finish as shown below do it 2 times on for input and one for output



16. In input.jsp create a form for taking user input as shown below:



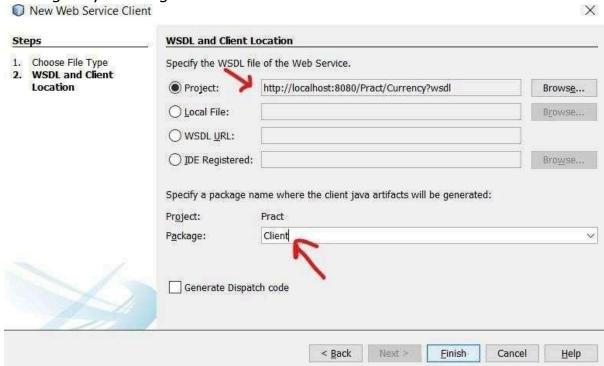
In this code set action = the jsp file where u want output and give name to textbox input.

17. Now we have to create web service client, for same right click on project and select new thenselect web service client you will get the following screen:

Steps	WSDL and Client Location					
Choose File Type WSDL and Client	Specify the WSDL file of the Web Service.					
Location Location	Project:	Browse				
	O Local File:	8rowse				
	O WSDL URL:					
	○ IDE Registered:	Browse				
	Project: Pract					
	Package:					
	3800					
	28(1)					
	Generate Dispatch code					
	Congrate Dignatch code					

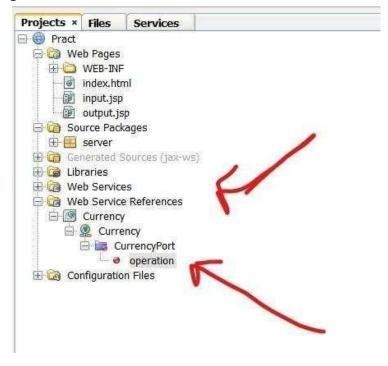
18. At this step click on browse and select your project and click ok after

#### clicking ok you will get wsdl url as shown below:



# At this stage copy the url and paste it. Give the package name as "Client". Now click on finish.

19. Now in the project section you can see a new folder has been created named "web service reference". Double click to expand it you should get the following:



Hold the operation or your operation name and drag it into the output.jsp in body tag as shown: You will get the following autogenerated code:

20. Now make changes as shown below in the code:

```
<%-- start web service invocation --*><hr/>
<%

try {
    Client.Currency_Service service = new Client.Currency_Service();
    Client.Currency port = service.getCurrencyPort();
    // TODO initialize WS operation arguments here
    double a = Double.parseDouble(request.getParameter("t1"));
    // TODO process result here
    java.lang.String result = port.operation(a);
    out.println(result);
} catch (Exception ex) {
    // TODO handle custom exceptions here
}

<pre>

</p
```

21. Now Deploy our project again and right click on input.jsp and click run file you will redirect to a browser page as shown:

<b>©</b>	[ ] JSP Page		×	<	
C	) localhost:808	30/Pract/input.jsp			
	Enter the curr	ency in rupees Reset	: [_		

22. Enter any numerical value in text box and click on submit you will get the following output:

