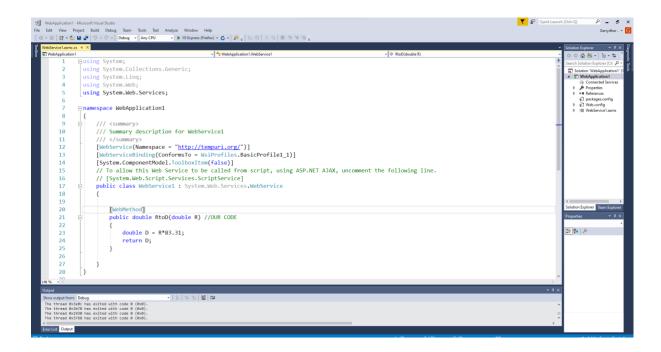
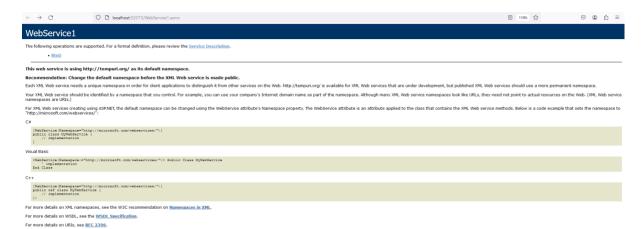
CLOUD COMP. & WEB SERVICES (PRAC 1)

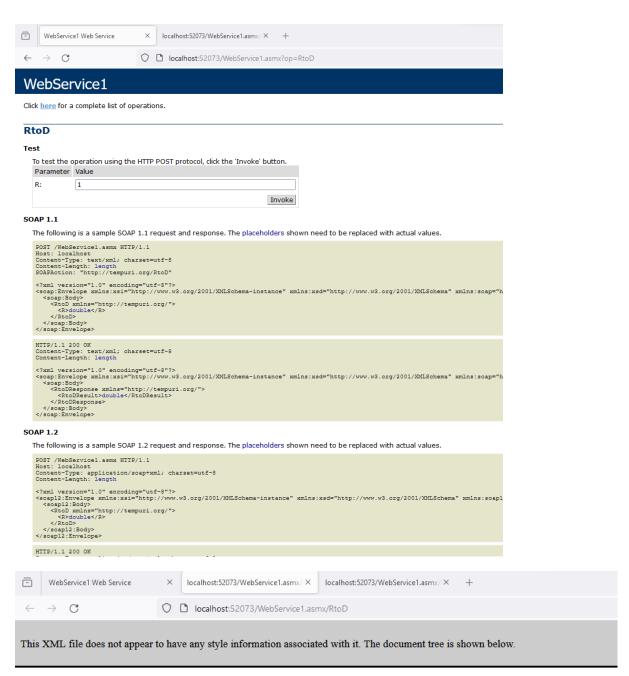
AIM: Define a simple services like converting R (rupees) into D (dollar) and call it from different platform

```
[Visual studio ide]
Project
Aps.net
(if not, go to vs installer and install asp.net and .net desktop)
Solution explorer section
Add
Web services
As per pdf
new item
web service (.asmx)
CODE:
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;
namespace WebApplication1
    /// <summary>
    /// Summary description for WebService1
    /// </summary>
    [WebService(Namespace = "http://tempuri.org/")]
    [WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
    [System.ComponentModel.ToolboxItem(false)]
    // To allow this Web Service to be called from script, using ASP.NET AJAX,
uncomment the following line.
    // [System.Web.Script.Services.ScriptService]
    public class WebService1 : System.Web.Services.WebService
    {
        [WebMethod]
        public double RtoD(double R) //OUR CODE
            double D = R*83.31;
            return D;
        }
   }
}
```



OUTPUT:





<double>83.31</double>

[Net beans]

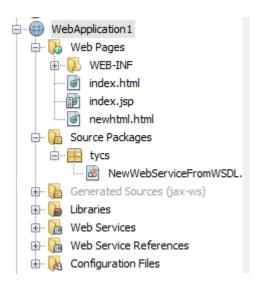
New project

Java web

Web service

Right click on file

Web service client



Code: (newhtml.html)

```
<!DOCTYPE html>
<!--
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.
-->
<html>
  <head>
     <title>--Calculation--</title>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
     <form action ="index.jsp" method="POST">
Enter Rupees:<input type="text" name="txt1" value="" /> <br>
<input type="submit" value="rs to dollar "/> <br>
     </form>
  </body>
```

Code: (index.jsp)

```
<%--
  Document : index
  Created on: 1 Feb, 2024, 12:07:23 PM
  Author : admin
--%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body>
    <h1>Hello World...lets convert dollar to rupess!</h1>
   <%
      tycs.WebService1 obj = new tycs.WebService1();
     tycs.WebService1Soap port=obj.getWebService1Soap();
      double num1= Double.parseDouble(request.getParameter("txt1"));
      double result = port.rtoD(num1);
     out.println("conversion from rs to dollar is " +result);
      %>
  </body>
</html>
```

```
* To change this license header, choose License Headers in Project Properties.

* To change this template file, choose Tools | Templates

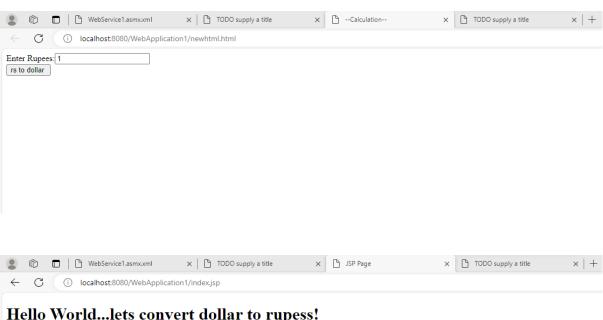
* and open the template in the editor.

*/
    package tycs;
 8 🗆 import javax.jws.WebService;
10 E /**
11 *
    * @author admin
 12
     @WebService(serviceName = "WebService1", portName = "WebService1Soap", endpointInterface = "org.tempuri.WebService1Soap", targetNamespace = "]
 14
     public class NewWebServiceFromWSDL {
 16
17 E
         public double addition(double a, double b) {
          throw new UnsupportedOperationException("Not implemented yet.");
19
20
 21
22
        public double multiplication(double a, double b) {
23
24
          throw new UnsupportedOperationException("Not implemented yet.");
 25
 27
28
```

```
Start Page X @ index.html X @ NewWebService.java X @ index.html X @ TempConvert.java X @ index.html X @ index.html X @ NewWebServiceFromWSDL.java X @ newhtml.html X @ index.jap X
Source History | 😭 👼 + 🖏 + | 🔩 🐯 😂 📮 📮 | 🔗 🐁 🥦 | 설월 | 🎱 🗎
      <!DOCTYPE html>
 2 🗏 <!--
 3
      To change this license header, choose License Headers in Project Properties.
 4
      To change this template file, choose Tools | Templates
 and open the template in the editor.
 6
 <head>
              <title>--Calculation--</title>
 9
10
              <meta charset="UTF-8">
              <meta name="viewport" content="width=device-width, initial-scale=1.0">
11
          </head>
12
13
          <body>
14
              <form action ="index.jsp" method="POST">
      Enter Rupees:<input type="text" name="txt1" value="" /> <br>
<input type="submit" value="rs to dollar "/> <br>
15
              </form>
         </body>
     </html>
19
20
```

```
Start Page X | a index.html X | a NewWebService.java X | a newhtml.html X | a NewWebService.java X | a newhtml.html X | a NewWebService.java X | a newhtml.html X | a newhtml X | a newhtml X | a newhtml.html X | a newhtml X | a newhtml.html X | a newhtml X | a newht
 Created on: 1 Feb, 2024, 12:07:23 PM
Author: admin
  <%@page contentType="text/html" pageEncoding="UTF-8"%>
   11
                                                      <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>JSP Page</title>
   12
   13
   14
                                            <body>
   15
                                                                  <h1>Hello World...lets convert dollar to rupess!</h1>
   16
                                                 tycs.WebService1 obj = new tycs.WebService1();
tycs.WebService1Soap port=obj.getWebService1Soap();
  17
18
                                                                    tycs.webservicelsoap port=op1.getwebservicelsoap();
double numl= Double.parseDouble(request.getParameter("txt1"));
double result = port.rtoD(num1);
out.println("conversion from rs to dollar is " +result);
%>
   20
  21
   22
 23
24
                                            </body>
                </html>
```

OUTPUT:



Hello World...lets convert dollar to rupess!

conversion from rs to dollar is 83.31