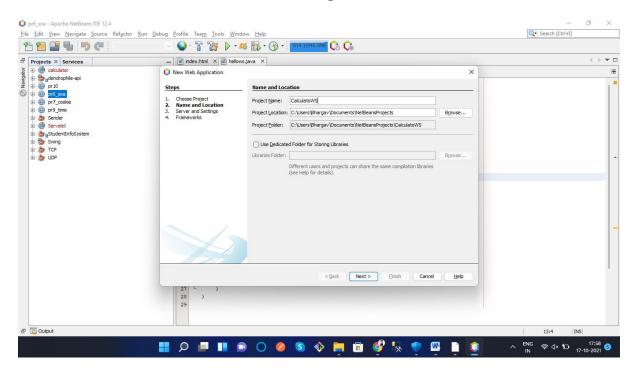
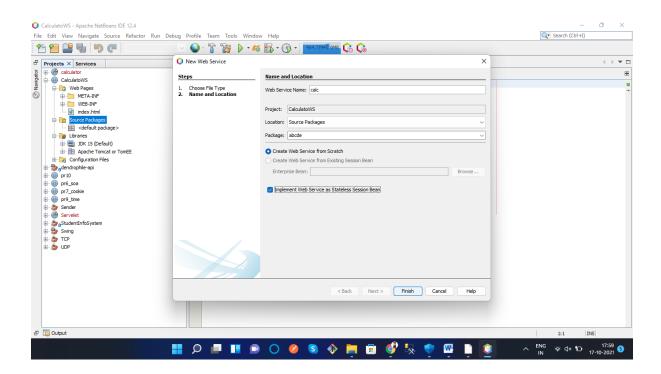
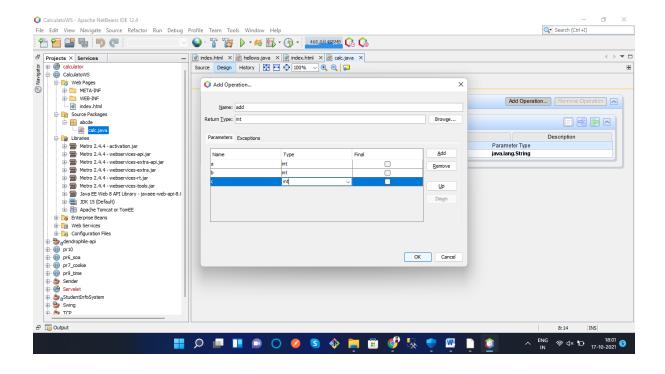
19BEIT30007 Valani Bhargav Chandrakant Bhai 5th IT

Practical -7

Aim: Create Calculator web service using netbeans.







```
package abcde;
import javax.jws.WebService;
import javax.jws.WebMethod;
import javax.jws.WebParam;
import javax.ejb.Stateless;
@WebService(serviceName = "calc")
@Stateless()
public class CalculatorWS {
@WebMethod(operationName = "Add")
public int Add(@WebParam(name = "a") int a, @WebParam(name = "b") int b, @WebParam(name = "c") int c) {
int d = a+b+c;
return d;
}
@WebMethod(operationName = "Sub")
```

```
public int Sub(@WebParam(name = "p") int p, @WebParam(name =
"q") int q) {
int r = p-q;
return r;
@WebMethod(operationName = "Mul")
public int Mul(@WebParam(name = "i") int i, @WebParam(name = "j")
int j) {
int k = i*j;
return k;
@WebMethod(operationName = "Div")
public int Div(@WebParam(name = "x") int x, @WebParam(name =
"y") int y) {
int z = x/y;
return z;
CalculatoWS - Anache NetBeans IDE 12.4
                                                                                                               Search (Ctrl+I)
<u>File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window H</u>elp
 ○ · 🎖 👸 ▷ · 杨 🏗 · ① · 🕞 · 592.4/1455MB 🗘 🗘
                                 index.html × hellows.java × index.html × calc.java ×
                                   Source Design History | ∰ → ∰ 100% ∨ ♠ ← |
                                                       Parameter Name
                                                                                                   Parameter Type
        META-INF
                                                                                                                  sub
      Elbraries

Metro 2.4.4 - activation.jar

Metro 2.4.4 - webservices-api,jar

Metro 2.4.4 - webservices-extra-api,jai
        Metro 2.4.4 - webservices-extra.jar
      Metro 2.4.4 - webservices-extri
Metro 2.4.4 - webservices-tols
Metro 2.4.4 - webservices-tols
Java EE Web 8 API Library - jav
JDK 15 (Default)
Apache Tomcat or TomEE
                                                                                                                  Enterprise Beans

Web Services
                                                       Parameter Name
     Configuration Files
                                                                                                                  ■ div
    pr9_time
                                                                                                               Description
                                                       Parameter Name
```

add Method invocation
Method parameter(s)
Type Value int 2 int 5 int 3
Method returned
int: "10"
SOAP Request
<pre><?xml version="1.0" encoding="UTF-6"?><5:Envelope xmlns:5="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENV-"http://schemas.xmlsoap.org/soap/e</pre>

Sub

sub Method invocation
Method parameter(s)
Type Value int 5 S
Method returned
int : "0"
SOAP Request
<pre><?xml version="1.0" encoding="UTF-8"?></pre>

MUL



Div

div Method invocation

Method parameter(s)

Type	Value
int	3
int	3

Method returned

int : "1"

SOAP Request

```
<?xml version="1.0" encoding="UTF-8"?><S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/" xmlns:SOAP-ENV-"http://schemas.xmlsoap.org/soap/en
<sOAP-ENV:Header/>
<S:Body>
<ns2:Div xmlns:ns2="http://test/">
<tx>3</sx>
<y>3</y>
```