

1] CalculatorWS.java:

```
/*
 * 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 org.me.calculator;

import javax.jws.WebService;
import javax.jws.WebMethod;
import javax.jws.WebParam;
import javax.ejb.Stateless;

@WebService(serviceName = "CalculatorWS")
@Stateless()
public class CalculatorWS {

    /**
     * This is a sample web service operation
     */

    /**
     * Web service operation
     */
    @WebMethod(operationName = "add")
    public int add(@WebParam(name = "i") int i, @WebParam(name = "j") int j) {
        //TODO write your implementation code here:
        int k = i + j;
        return k;
    }
}
```

2] CalculatorWS_Client_Application.java:

```
/*
 * 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;

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=10;
            int j=20;
            int result= add(i,j);
            System.out.println("Result= "+result);
        }catch(Exception e){
            System.out.println("Exception : "+e);
        }
    }

    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);
    }
}

```

OUTPUT :

1]CalculatorWS.java:

library-inclusion-in-manifest:

compile:

compile-jsps:

Starting GlassFish Server 4.1.1

GlassFish Server 4.1.1 is running.

Undeploying ...

In-place deployment at

C:\Users\saurabh\Documents\NetBeansProjects\CalculatorWSApplication\build\we

b run-deploy:

Browsing: <http://localhost:8080/CalculatorWSApplication>

run-display-browser:

run:

BUILD SUCCESSFUL (total time: 23 seconds)

2]CalculatorWS_Client_Application.java:

```
ant -f C:\Users\saurabh\Documents\NetBeansProjects\CalculatorWS_Client_Application -  
Dnb.internal.action.name=run run
```

init:

Deleting: C:\Users\saurabh

\Documents\NetBeansProjects\CalculatorWS_Client_Application\build\build-jar.properties

deps-jar:

Updating property file:

C:\Users\saurabh\Documents\NetBeansProjects\CalculatorWS_Client_Application\build\build-
ti jar.properties

wsimport-init:

wsimport-client-CalculatorWS:

files are up to date

wsimport-client-generate:

Compiling 1 source file to

C:\Users\saurabh\Documents\NetBeansProjects\CalculatorWS_Client_Application\build\classes
ti compile:

run:

Result= 30

BUILD SUCCESSFUL (total time: 2 seconds)



localhost

Method invocation

add Method invocation

Type	Value
int	3
int	5

```
<?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/envelope/">
  <SOAP-ENV:Header/>
  <S:Body>
    <ns2:add xmlns:ns2="http://calculator.me.org/">
      <i>3</i>
    </ns2:add>
  </S:Body>
</?xml>
<?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/envelope/">
  <SOAP-ENV:Header/>
  <S:Body>
    <ns2:addResponse xmlns:ns2="http://calculator.me.org/">
      <return>8</return>
    </ns2:addResponse>
  </S:Body>
</?xml>
```

Do you want AutoComplete to remember web form entries? [Learn about AutoComplete](#) Yes No

