

Assignment – 7

Code :

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 license
 * Click nbfs://nbhost/SystemFileSystem/Templates/WebServices/EjbWebService.java to edit this
 template
 */
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
     */
    @WebMethod(operationName = "add")
    public int add(@WebParam(name = "value1") int value1,
        @WebParam(name = "value2") int value2) {
        int result = value1 + value2;
        return result;
    }
}
```

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Results

CalculatorWS Web Service Tester

This form will allow you to test your web service implementation ([WSDL File](#))

To invoke an operation, fill the method parameter(s) input boxes and click on the button labeled with the method name.

Methods :

public abstract int org.me.calculator.CalculatorWS.add(int,int)

(,)

add Method invocation

Method parameter(s)

Type	Value
int	3
int	4

Method returned

int : "7"

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
<SOAP-ENV:Header/>
<S:Body>
  <ns2:add xmlns:ns2="http://calculator.me.org/">
    <value1>3</value1>
    <value2>4</value2>
  </ns2:add>
</S:Body>
</S:Envelope>
```

SOAP Response

```
<?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
<SOAP-ENV:Header/>
<S:Body>
  <ns2:addResponse xmlns:ns2="http://calculator.me.org/">
    <return>7</return>
  </ns2:addResponse>
</S:Body>
</S:Envelope>
```