

#503(prac1)---22/06/19---

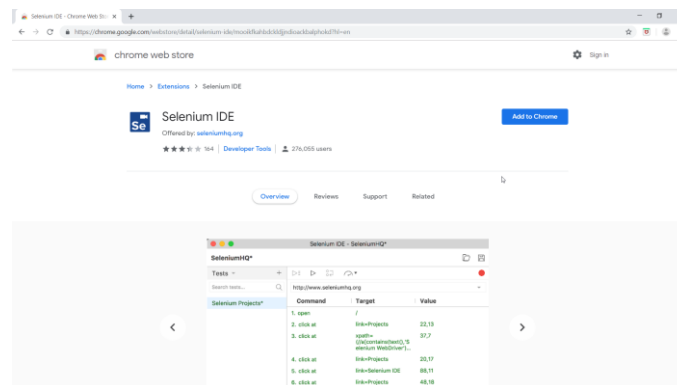
**#AIM: Install Selenium IDE. Write a test suite containing minimum 4 test cases for different formats.**

**REQUIREMENTS:**

- 1) Selenium IDE extension on a browser.
- 2) NetBeans IDE for creating test case files.

**STEPS:**

- 1) Just google “Selenium IDE chrome” and click on the first link. Add the “Selenium IDE” extension to your browser.



- 2) For testing, we need a test case suite, so we create a WebApplication in NetBeans IDE.

**File > New Project > Java Web > Web Application > Add GlassFish Server > Finish.**

- 3) In index.html, we write the following code for “ARITHMETIC OPERATIONS” test case suite:

**---index.html---**

```
<html>
<head>
<title>prac1</title>
<script language="javascript">
    function addition()
    {
        var num1=parseInt(document.arithmetic.n1.value);
        var num2=parseInt(document.arithmetic.n2.value);
        var result=num1+num2;
        document.arithmetic.res.value=result;
    }

    function subtraction()
    {
        var num1=parseInt(document.arithmetic.n1.value);
        var num2=parseInt(document.arithmetic.n2.value);
        var result=num1-num2;
        document.arithmetic.res.value=result;
    }

    function multiplication()
```

```

    {
        var num1=parseInt(document.arithmetic.n1.value);
        var num2=parseInt(document.arithmetic.n2.value);
        var result=num1*num2;
        document.arithmetic.res.value=result;
    }

function division()
{
    var num1=parseInt(document.arithmetic.n1.value);
    var num2=parseInt(document.arithmetic.n2.value);
    var result=num1/num2;
    document.arithmetic.res.value=result;
}
</script>
</head>

<body>
    <h1 align="center"> Arithmetic Operations </h1>
    <form name="arithmetic">
        <table border="1" align="center">

            <tr>
                <td>Number 1: </td>
                <td><input type="text" name="n1" size="20"></td>
            </tr>

            <tr>
                <td>Number 2: </td>
                <td><input type="text" name="n2" size="20"></td>
            </tr>

            <tr>
                <td colspan=2>
                    <input type="button" name="add" value="Add"
onclick="javascript:addition();">&nbsp;
                    <input type="button" name="sub" value="Subtract"
onclick="javascript:subtraction();">&nbsp;
                    <input type="button" name="mul" value="Multiply"
onclick="javascript:multiplication();">&nbsp;
                    <input type="button" name="div" value="Divide"
onclick="javascript:division();">&nbsp;
                </td>
            </tr>

            <tr>
                <td colspan="2">Result is: <input type="text" name="res" size="20"
value=""></td>

```

```

        </tr>

    </table>
</form>
</body>
</html>

```

- 4) Create a JSP file “newjsp.jsp” with a link to the created HTML file.

---newjsp.jsp---

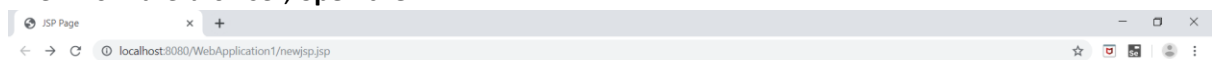
```

<%@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 align="center">
    <h1>Test Cases IDE</h1>
    <a href="index.html">Arithmetic Operations</a>
</body>
</html>

```

- 5) Run this JSP file from NetBeans. It will then open up in a browser.

- Then from the browser, open the link:

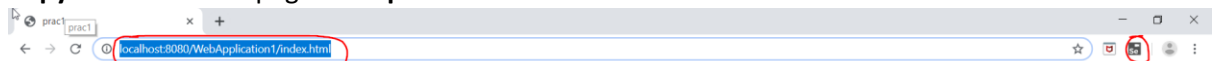


Test Cases IDE



- Now you'll be redirected to ARITHMETIC OPERATIONS page.

Copy the URL of the page and open “Selenium IDE” extension:

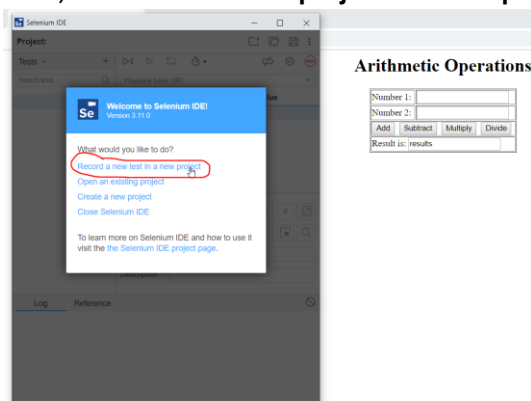


Arithmetic Operations

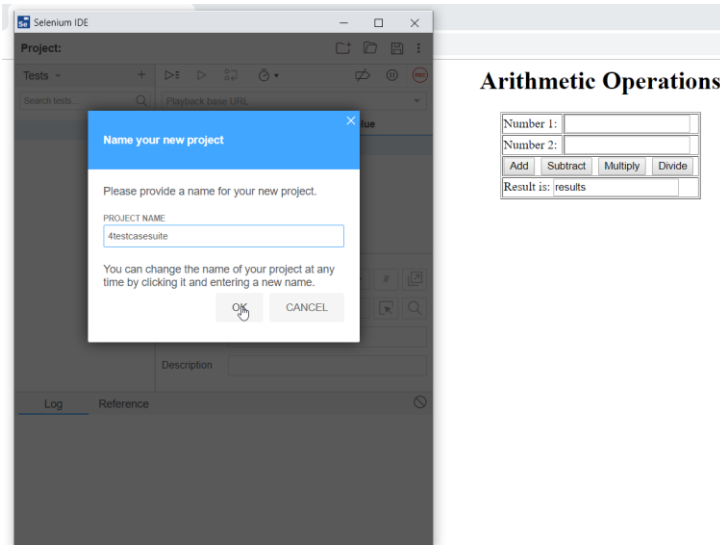


Number 1:	<input type="text"/>
Number 2:	<input type="text"/>
Add	Subtract
Multiply	Divide
Result is: results	

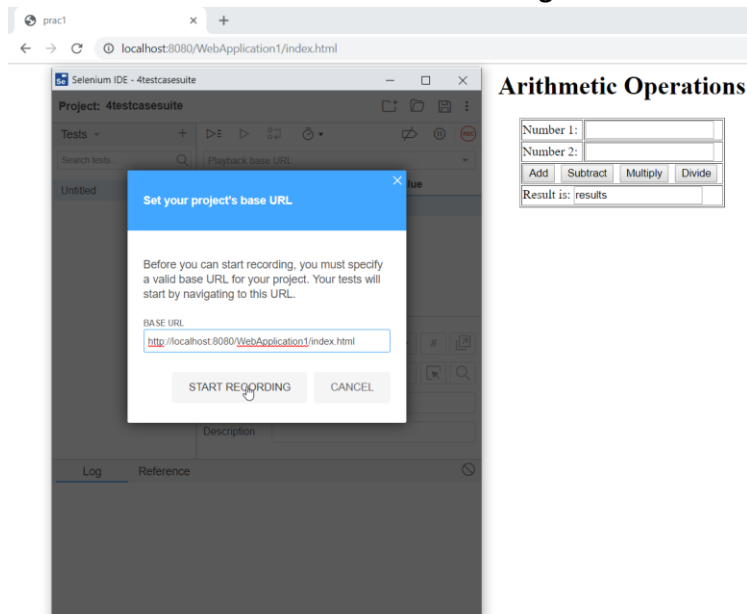
- Now, Record a new test project in a new project:



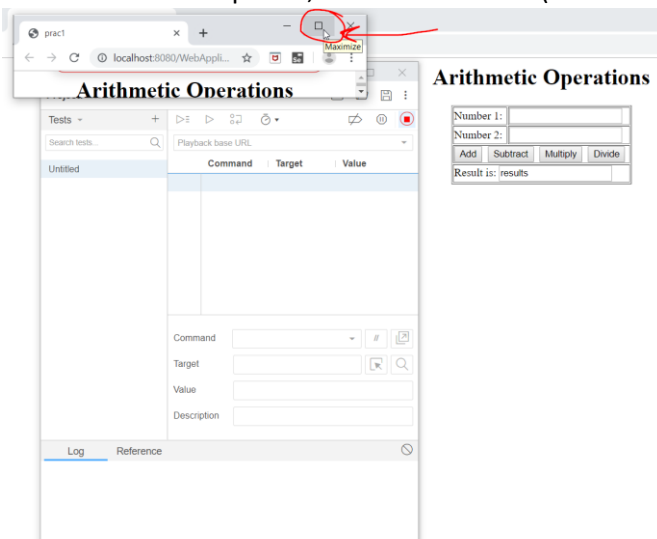
- **Name your project:**



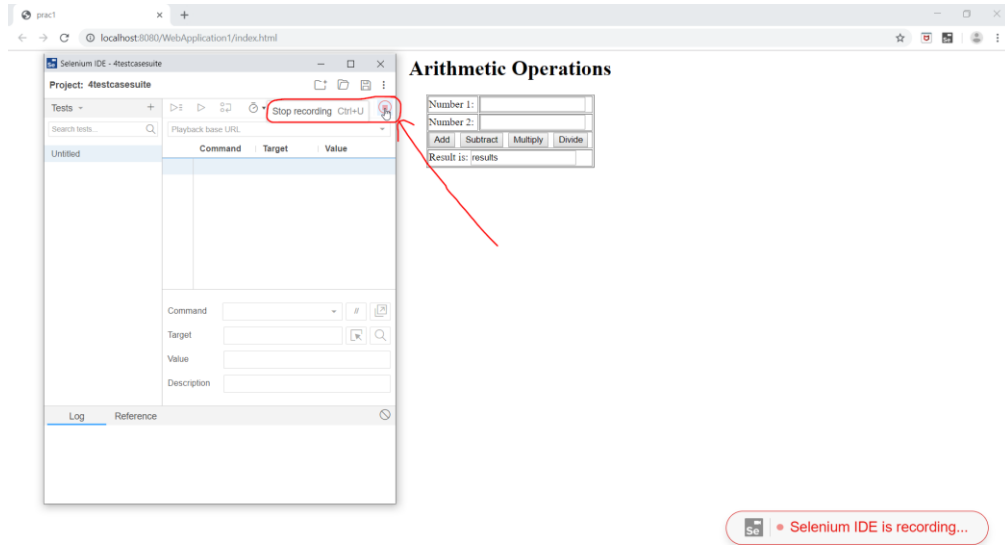
- **Paste that URL here and click Start Recording:**



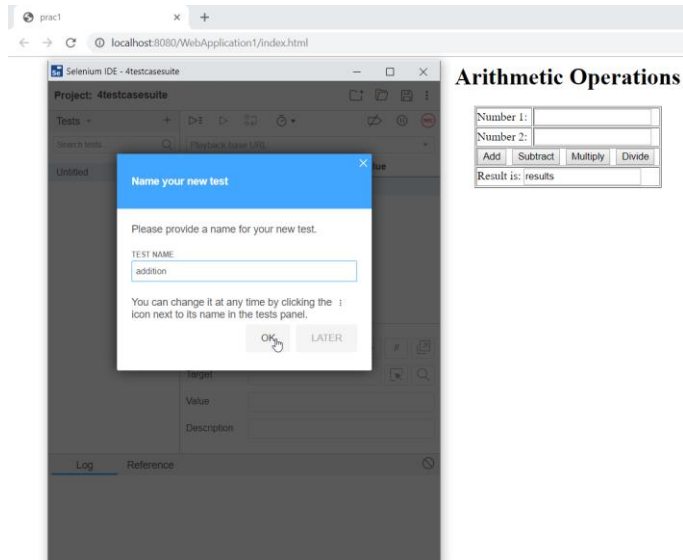
- **A new tab will be opened, maximize that tab (this tab is your working tab for recording):**



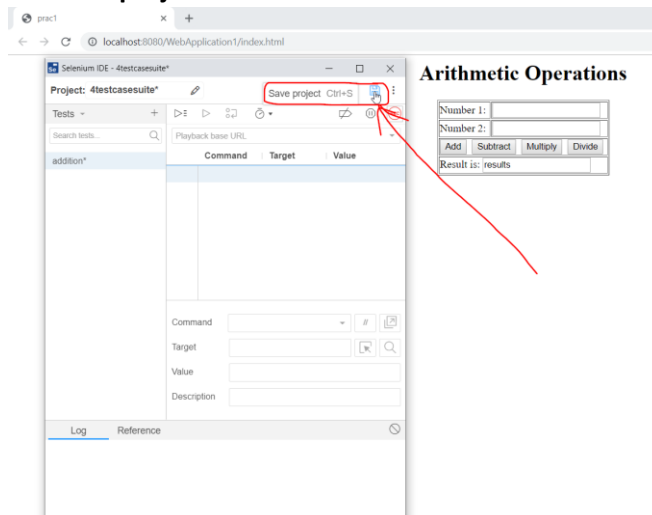
- Click on **Stop Recording**:



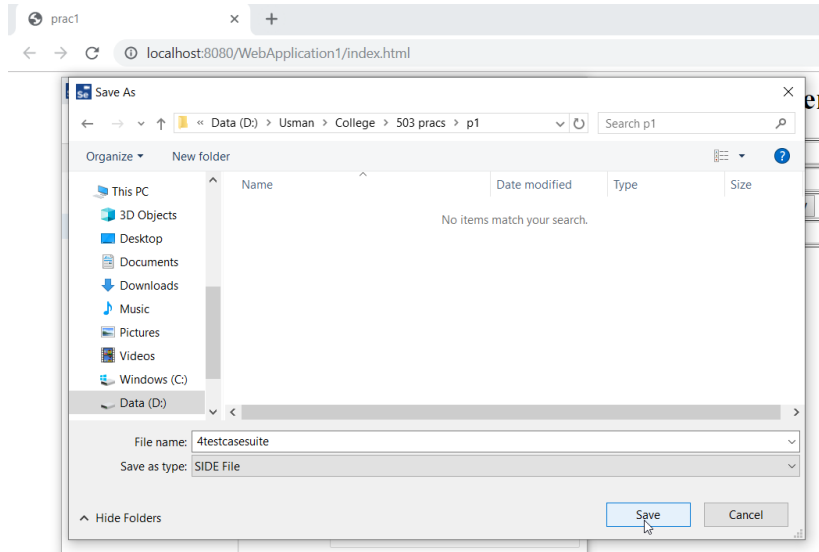
- Just as you stop your recording, you'll be prompted to **Name your new test**, we'll make our new test as **"addition"**:



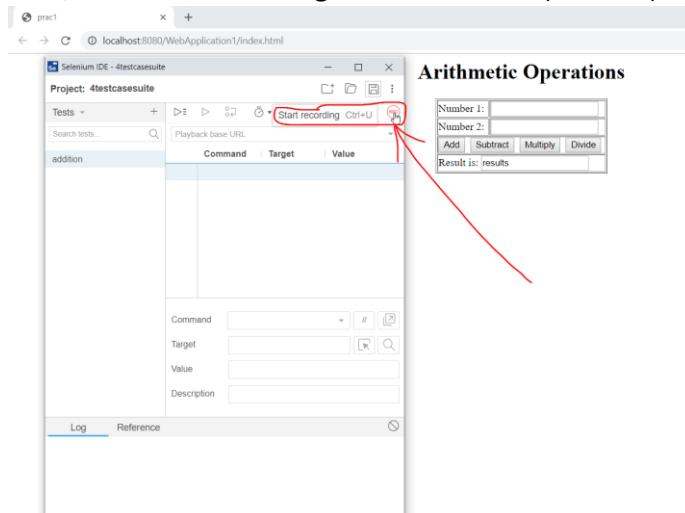
- Save the project** after each test case:



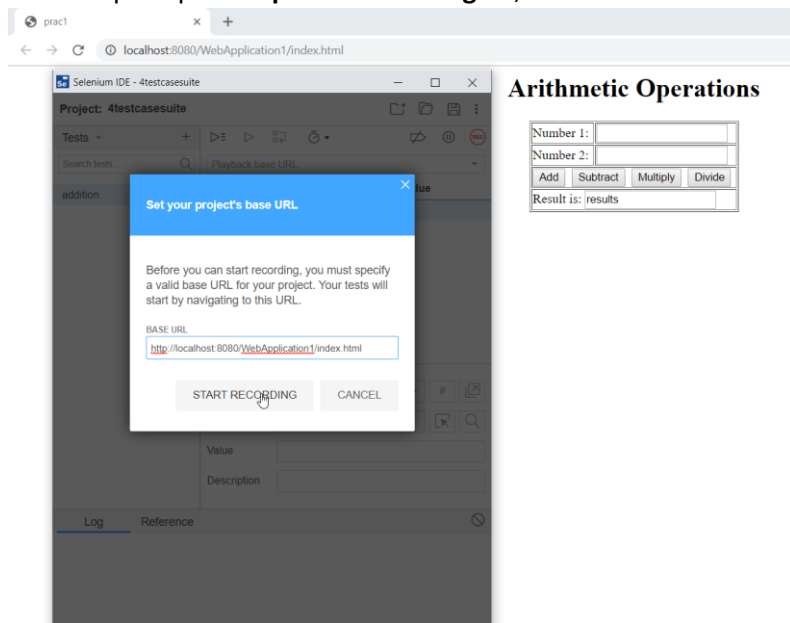
- A file with **“.SIDE”** extension will be saved(SIDE abbrev to **Selenium IDE**):



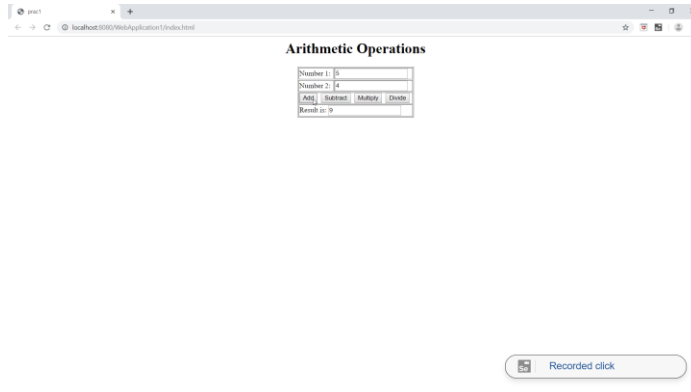
- Now, we'll **Start Recording** our first test case(addition):



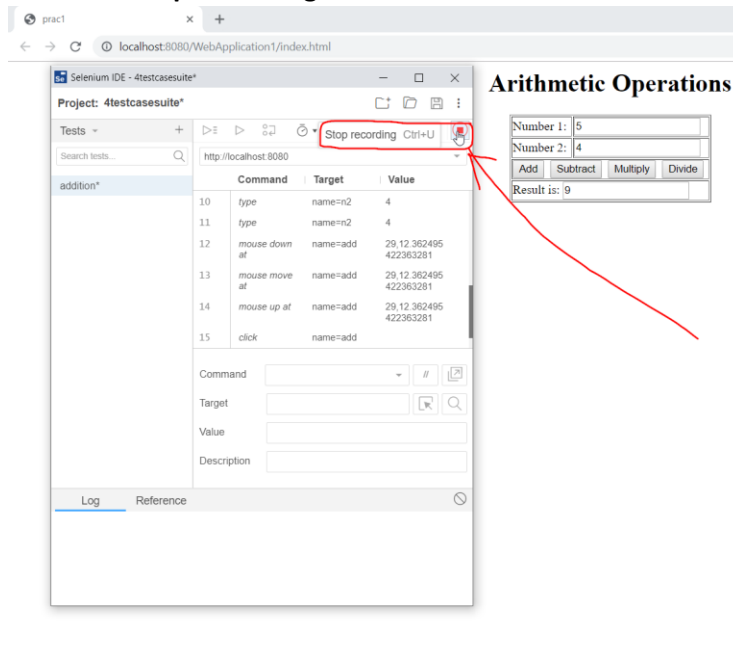
- We'll be prompted to **paste our URL** again, then click **Start Recording**:



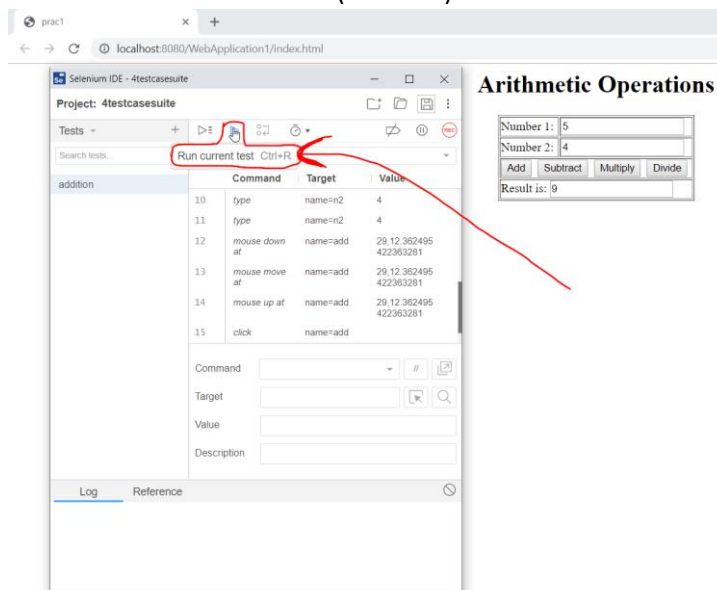
- **NOTE THAT** each clicks are recorded:

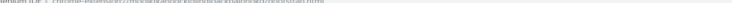


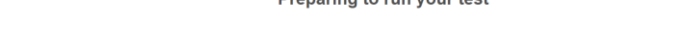
- Now we'll **Stop Recording** from the Selenium IDE:



- We'll then **Run current test**(addition):



- 
- The screenshot shows the Selenium IDE interface. The 'Commands' pane on the left contains a single entry: 'click' with the target 'bootstrap.html'. The 'URL' field at the top displays 'chrome-extension://mookfahbckdjdnoackbalphokld/bootstrap.html'. The 'Objects' pane on the right shows a tree view with 'html' selected under the 'document' root.



The screenshot shows a web browser window. The main content area displays the text "Preparing to run your test". Below this, there is a browser window with a single tab titled "pract1". The address bar shows the URL "localhost:8080/WebApplication1/index.html".

## Arithmetic Operations:

Number 1:	5		
Number 2:	4		
Add	Subtract	Multiply	Divide
Result is:	9		

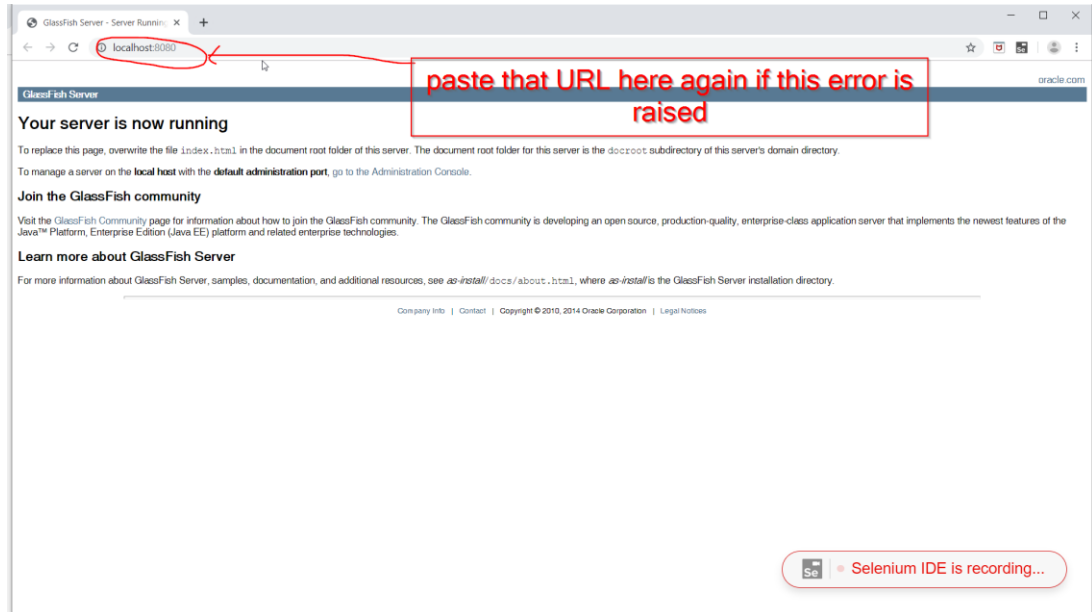
- localhost:8080/WebApplication1/index.html

## Arithmetic Operations

Number 1:	5		
Number 2:	4		
Add	Subtract	Multiply	Divide
Result is: 9			



- NOTE2: Paste here the URL again if the Glassfish Error occurs between any test case:



- Now create 3 more test cases(subtraction, multiplication, division). Then “Run all tests”:

pract1

localhost:8080/WebApplication1/index.html

Selenium IDE - 4testcasesuite

Project: 4testcasesuite

Tests

Search tests...

addition

division

multiplication

subtraction

	Command	Target	Value
2	set window size	1536x864	
3	click	name=n1	
4	type	name=n1	5
5	click	name=n2	
6	type	name=n2	4
7	click	name=div	

Command

Target

Value

Description

Log

Reference

4. type on name=n1 with value 5 OK

23:34:35

5. click on name=n2 OK

23:34:35

6. type on name=n2 with value 4 OK

23:34:35

7. click on name=div OK

23:34:36

'division' completed successfully

23:34:36

## Arithmetic Operations

Number 1:	5		
Number 2:	4		
Add	Subtract	Multiply	Divide
Result is:	1.25		

6) Finish!