

## Practical-1

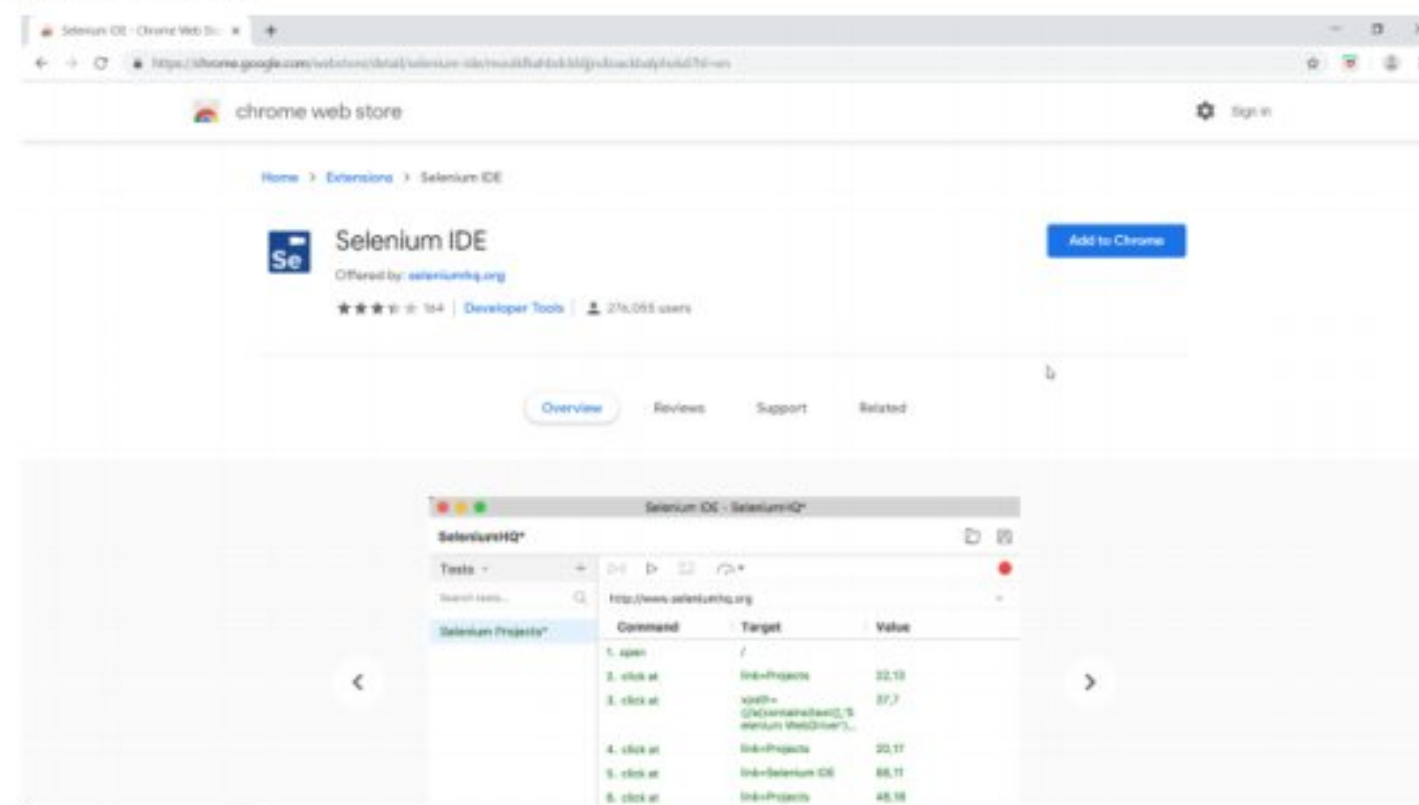
**#AIM: Install Selenium IDE. Write a test suite containing minimum 4 test cases for different formats.**

### 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>

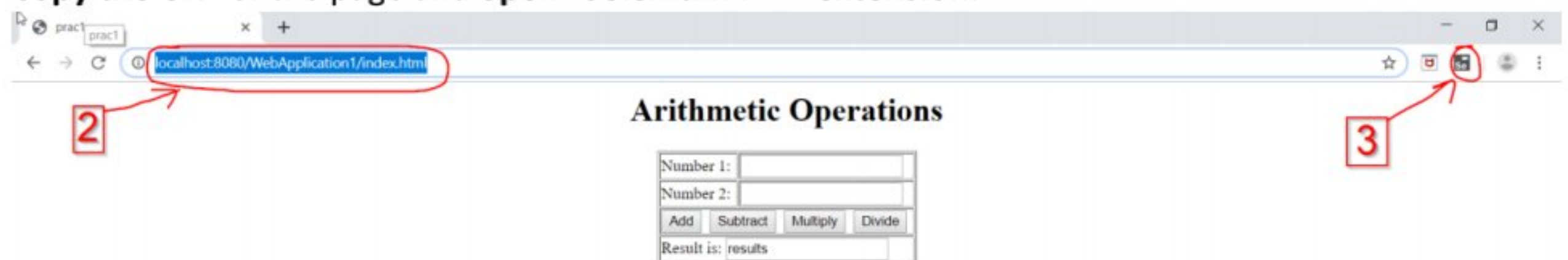
```

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

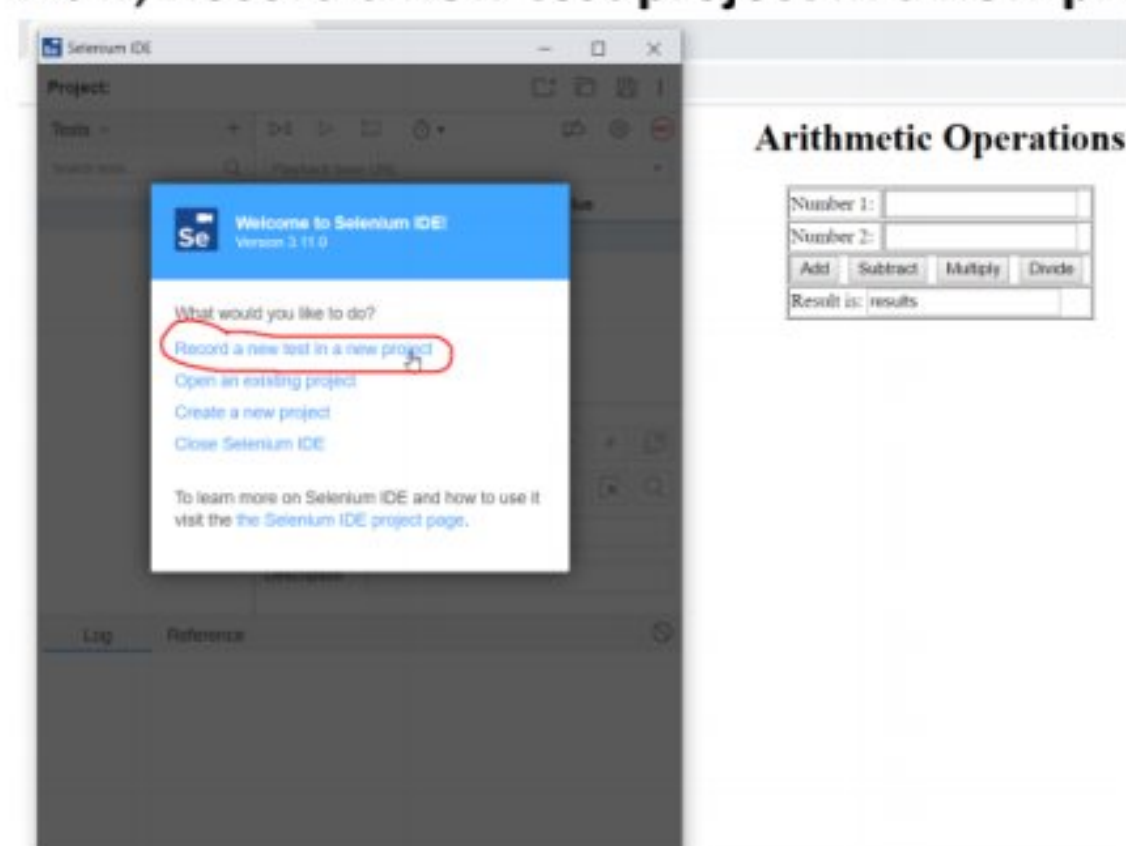
- Then from the browser, open the link:



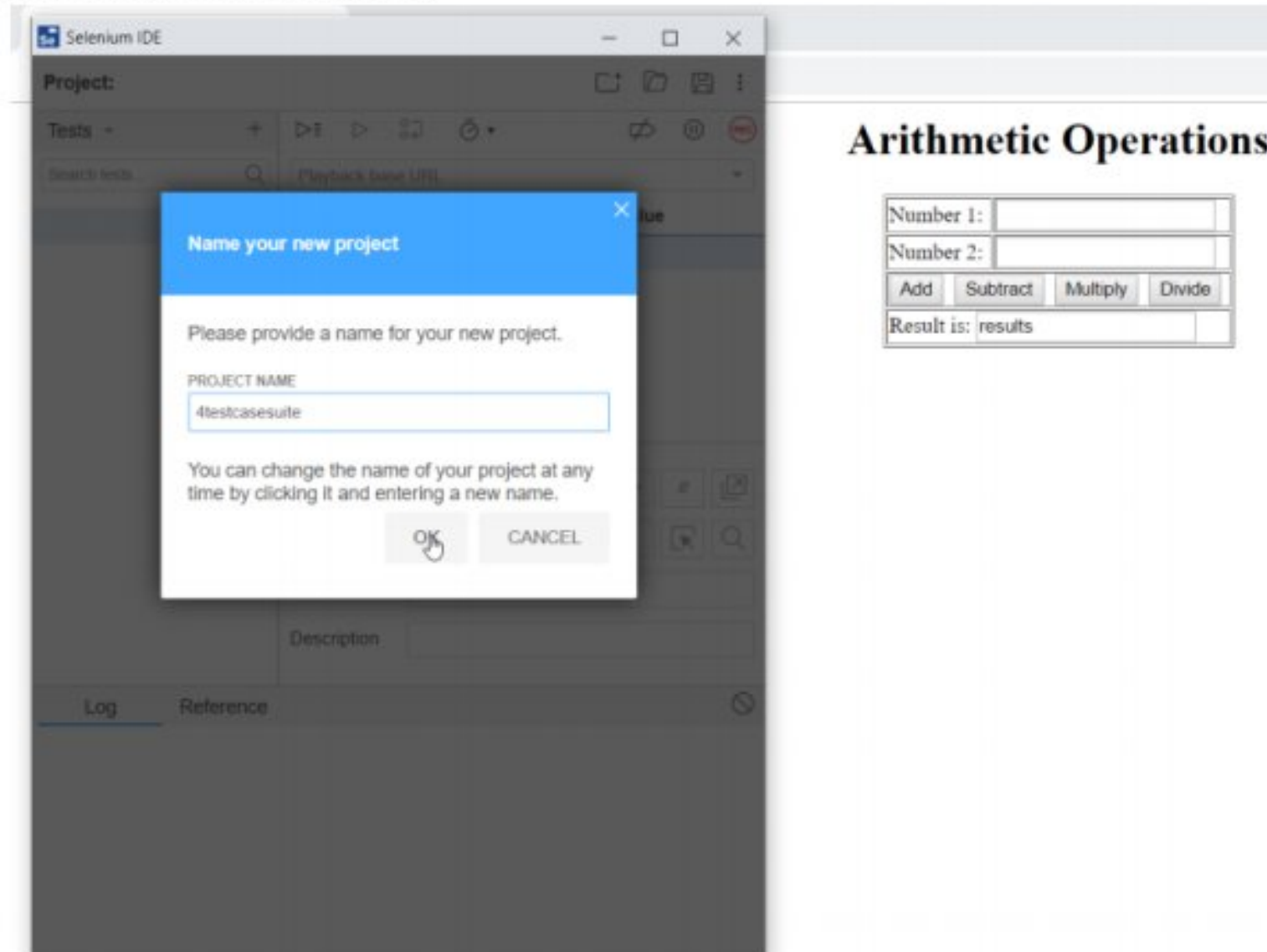
- Now you'll be redirected to ARITHMETIC OPERATIONS page.  
Copy the URL of the page and open "Selenium IDE" extension:



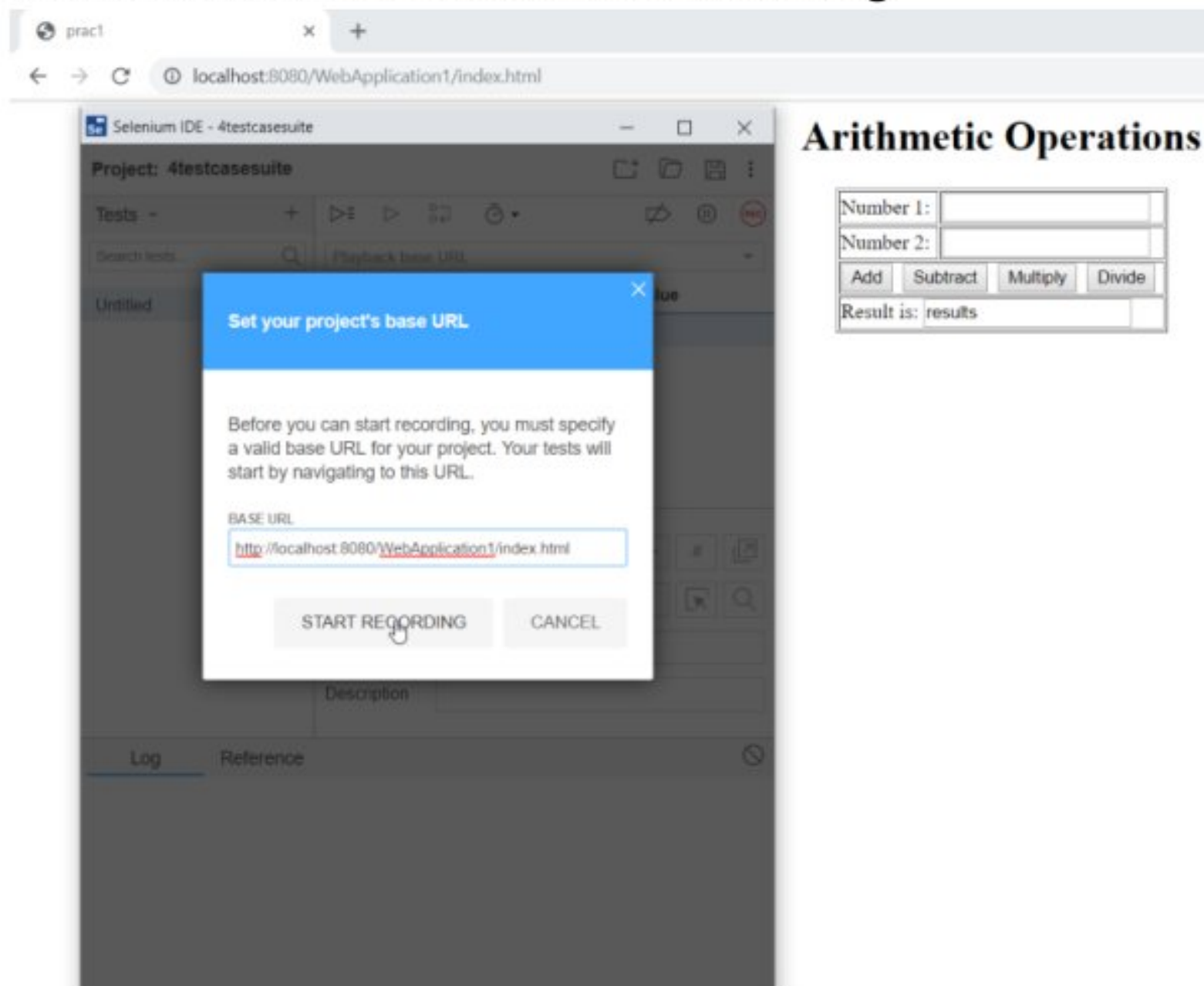
- Now, Record a new test project in a new project:



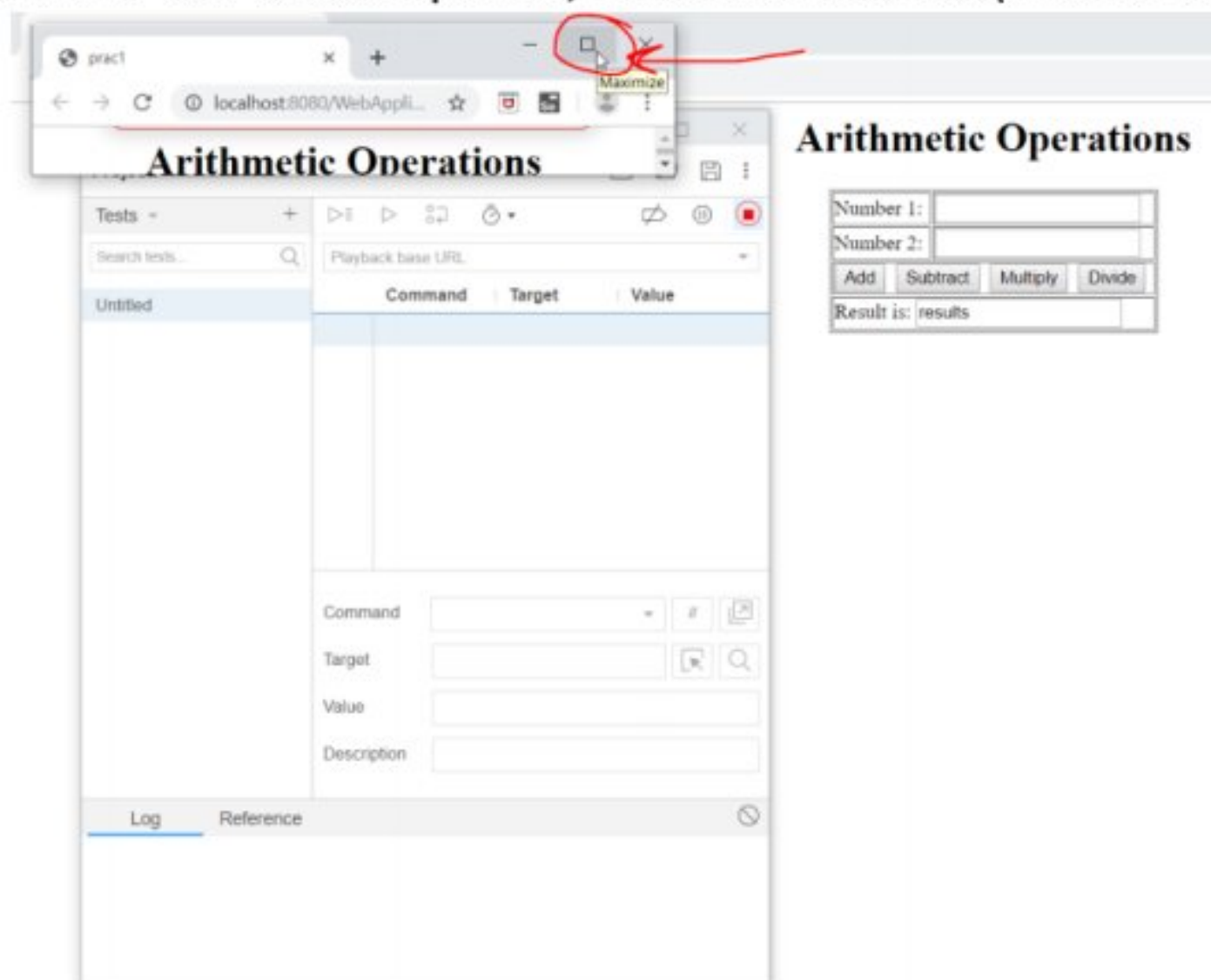
- **Name your project:**



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

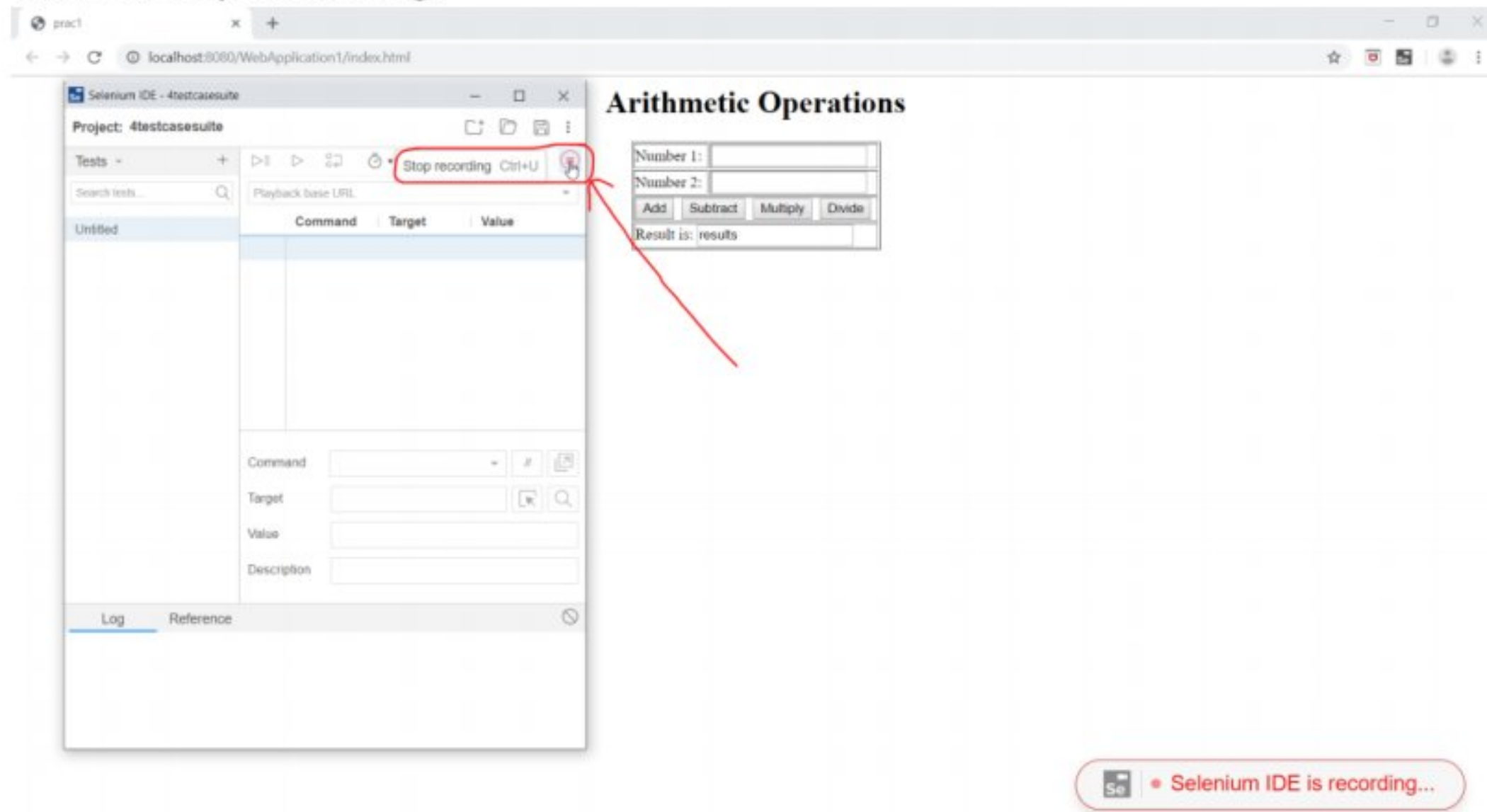


- **A new tab will be opened, maximize that tab (this tab is your working tab for recording):**

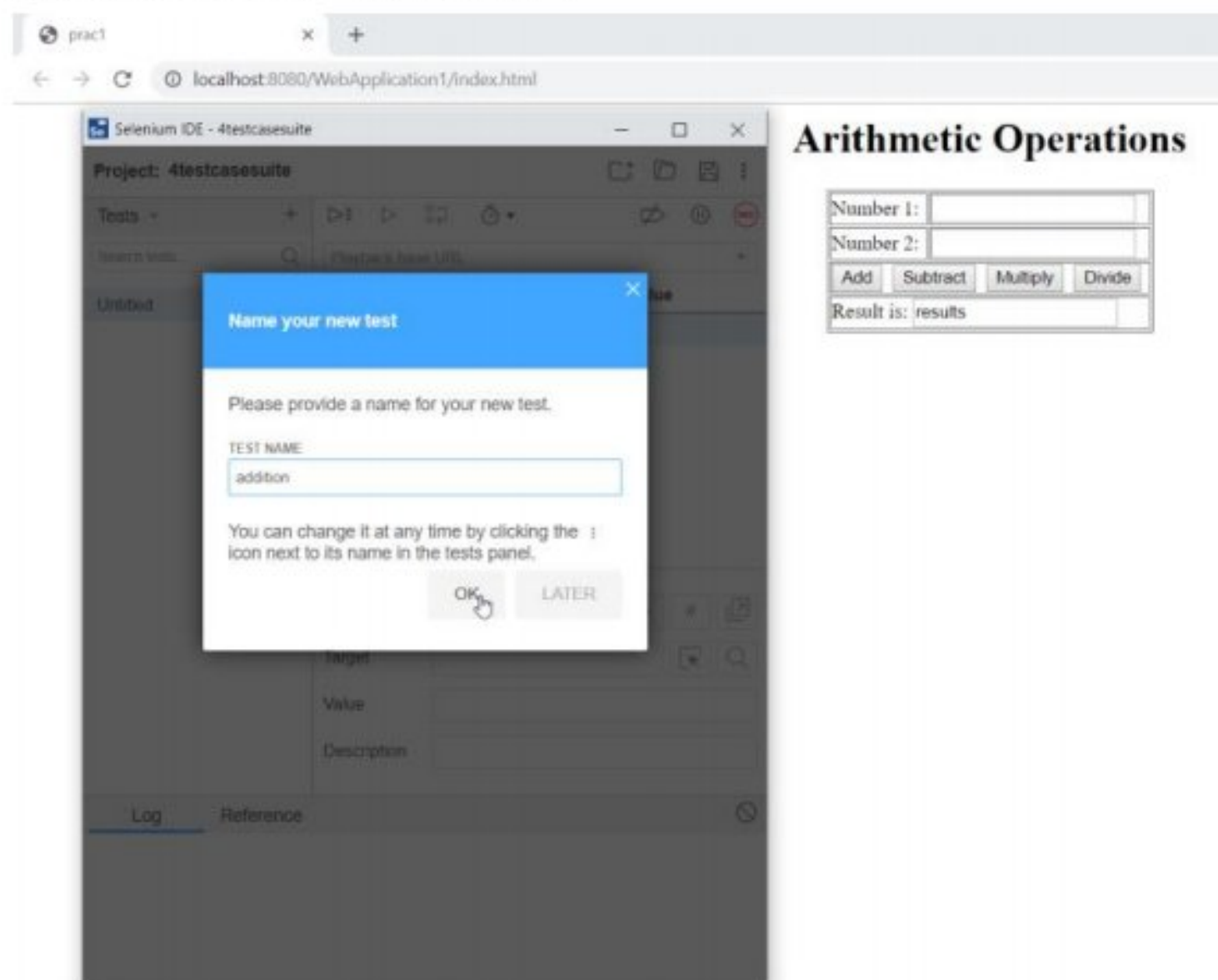




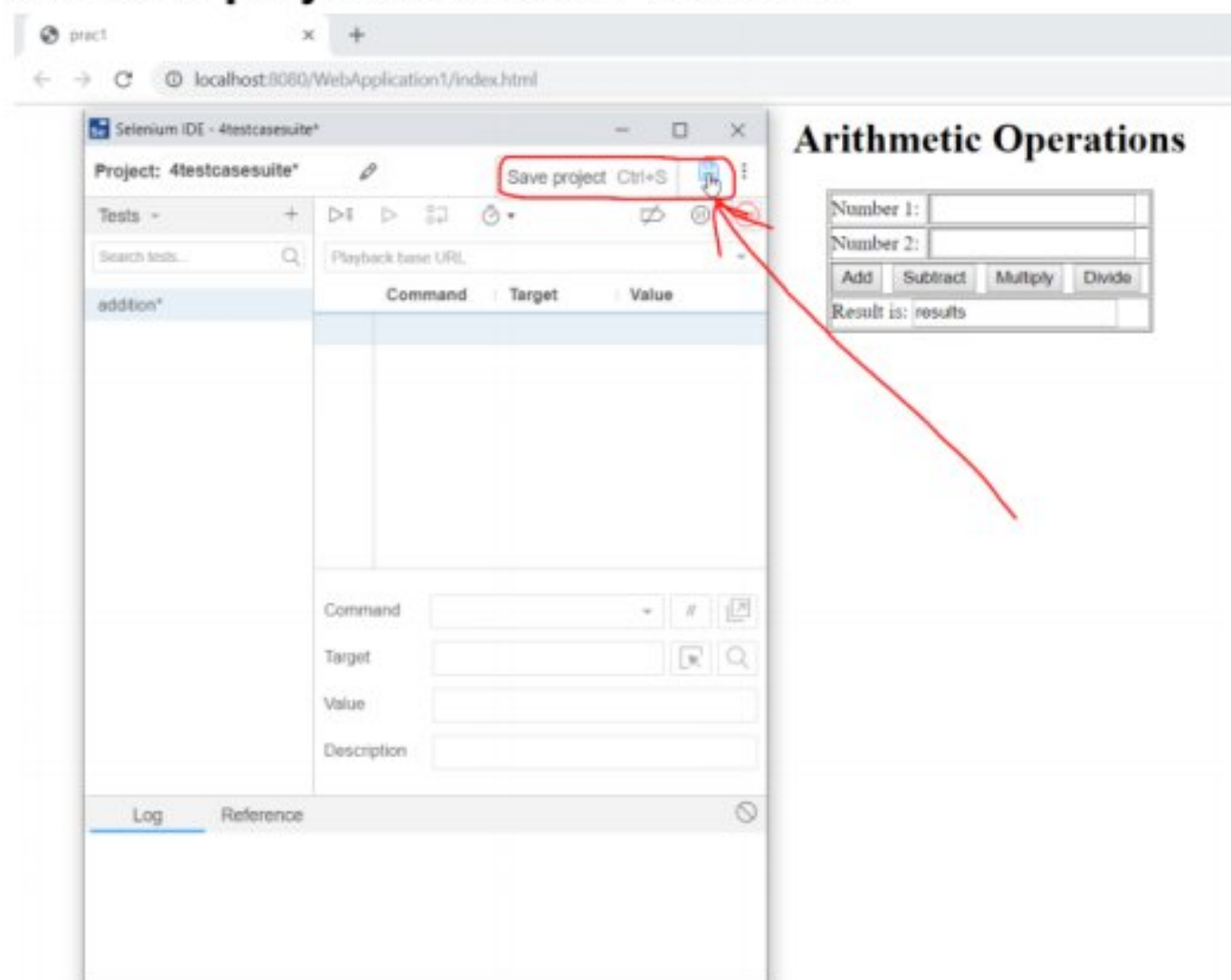
- Click on **Stop Recording**:



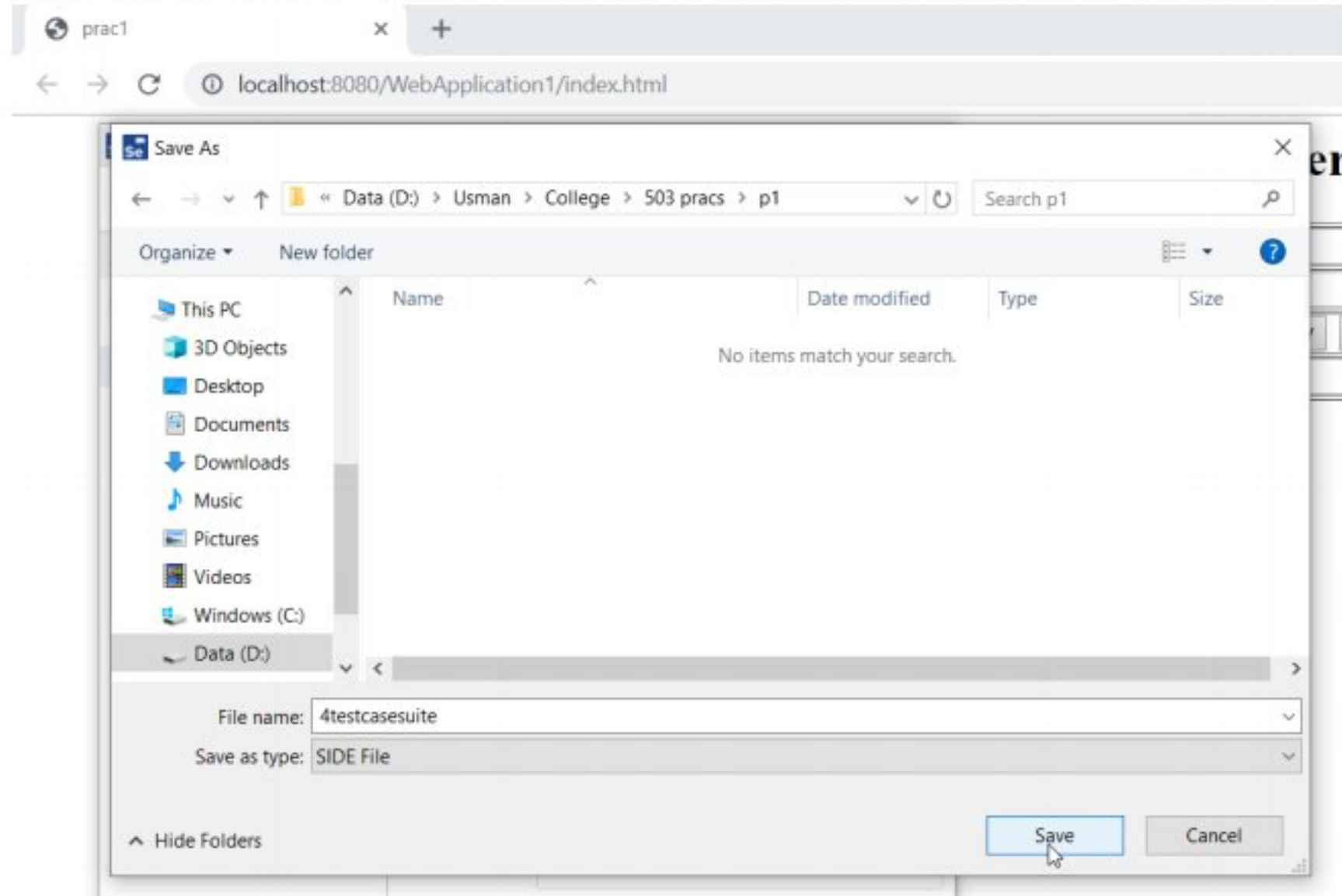
- Just as you stop your recording, you'll be prompted to **Name your new test**, we'll make our new test as **"addition"**:



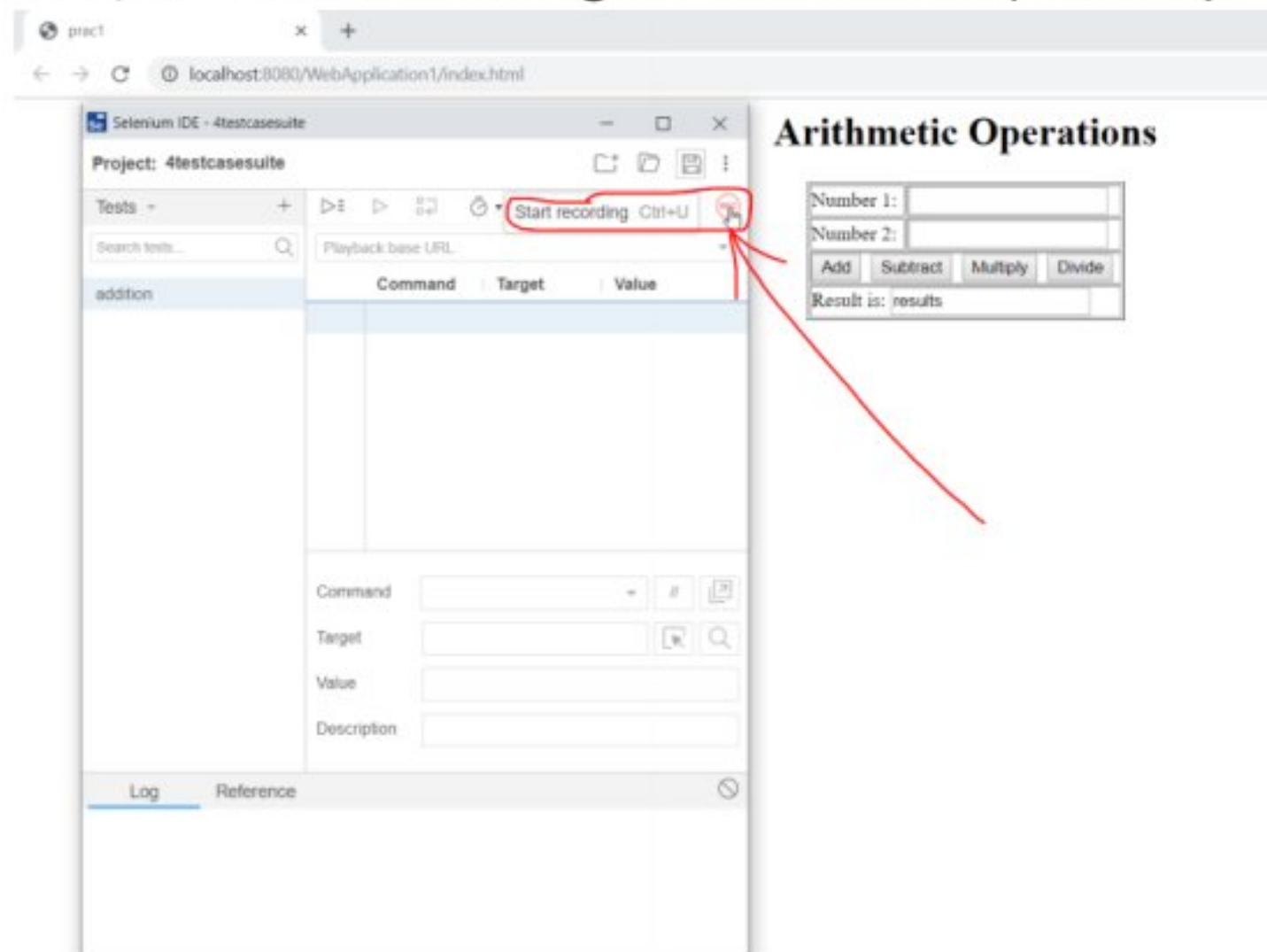
- Save the project** after each test case:



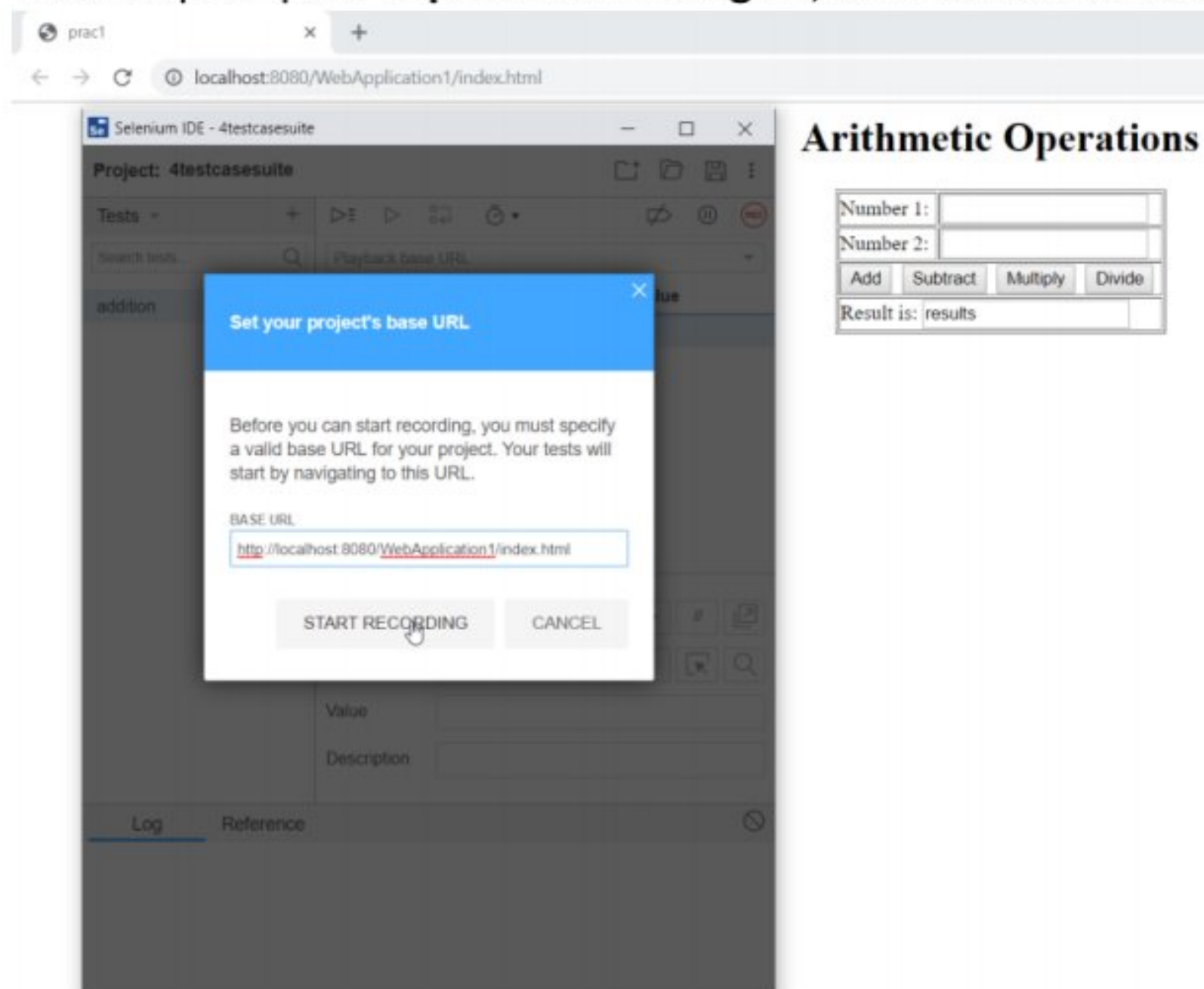
- A file with **“.SIDE”** extension will be saved(SIDE abbrev to **Selenium IDE**):



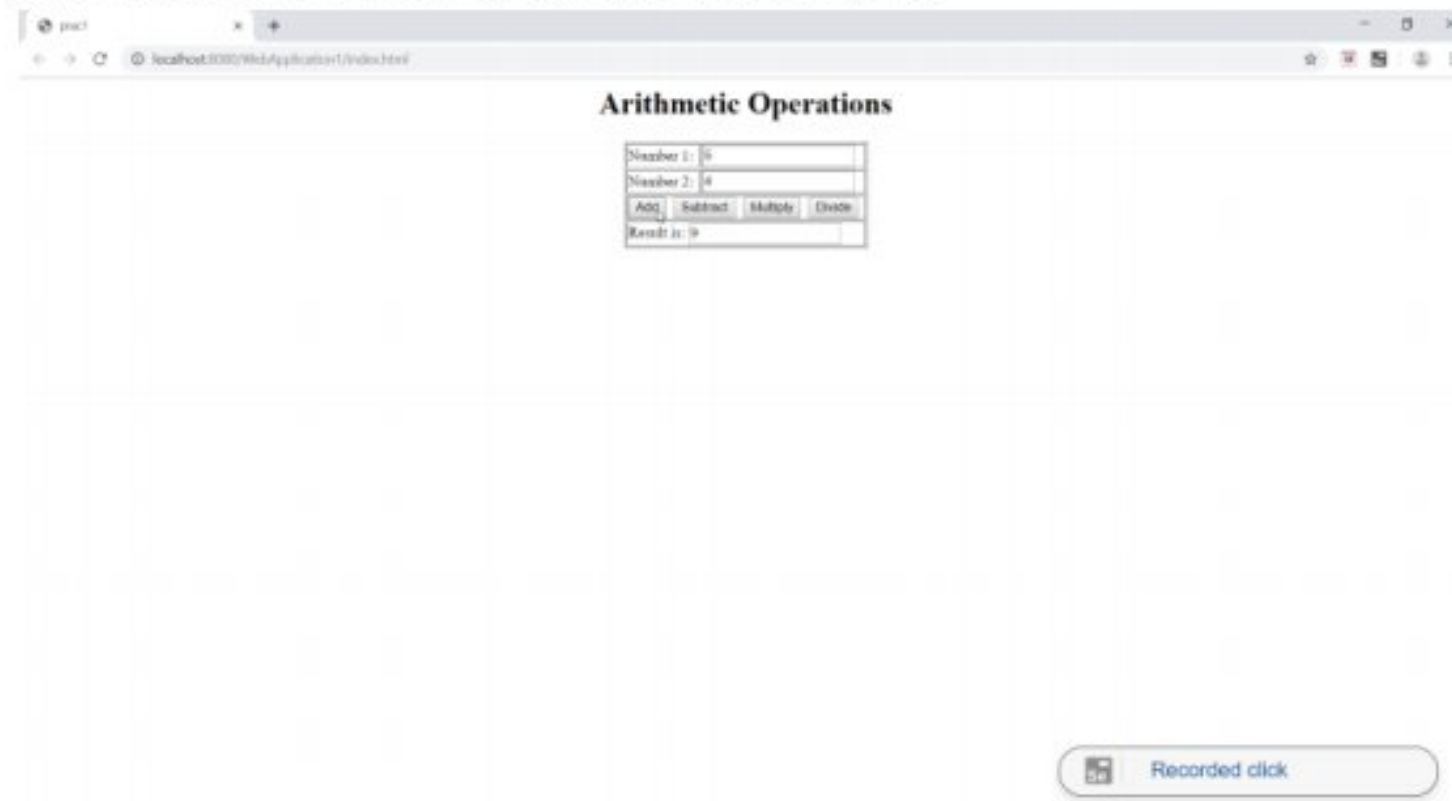
- Now, we'll **Start Recording** our first test case(addition):



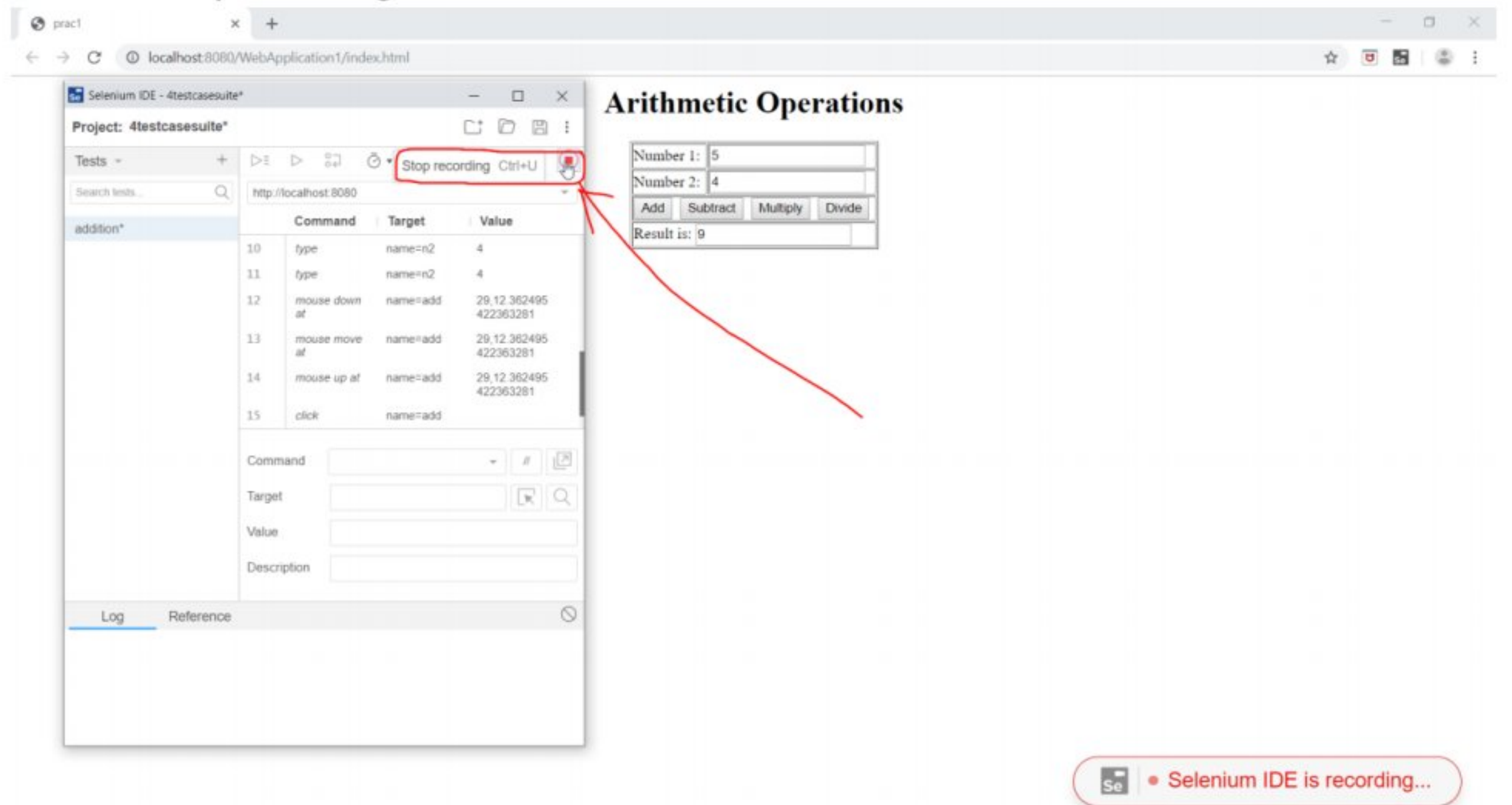
- We'll be prompted to **paste our URL** again, then click **Start Recording**:



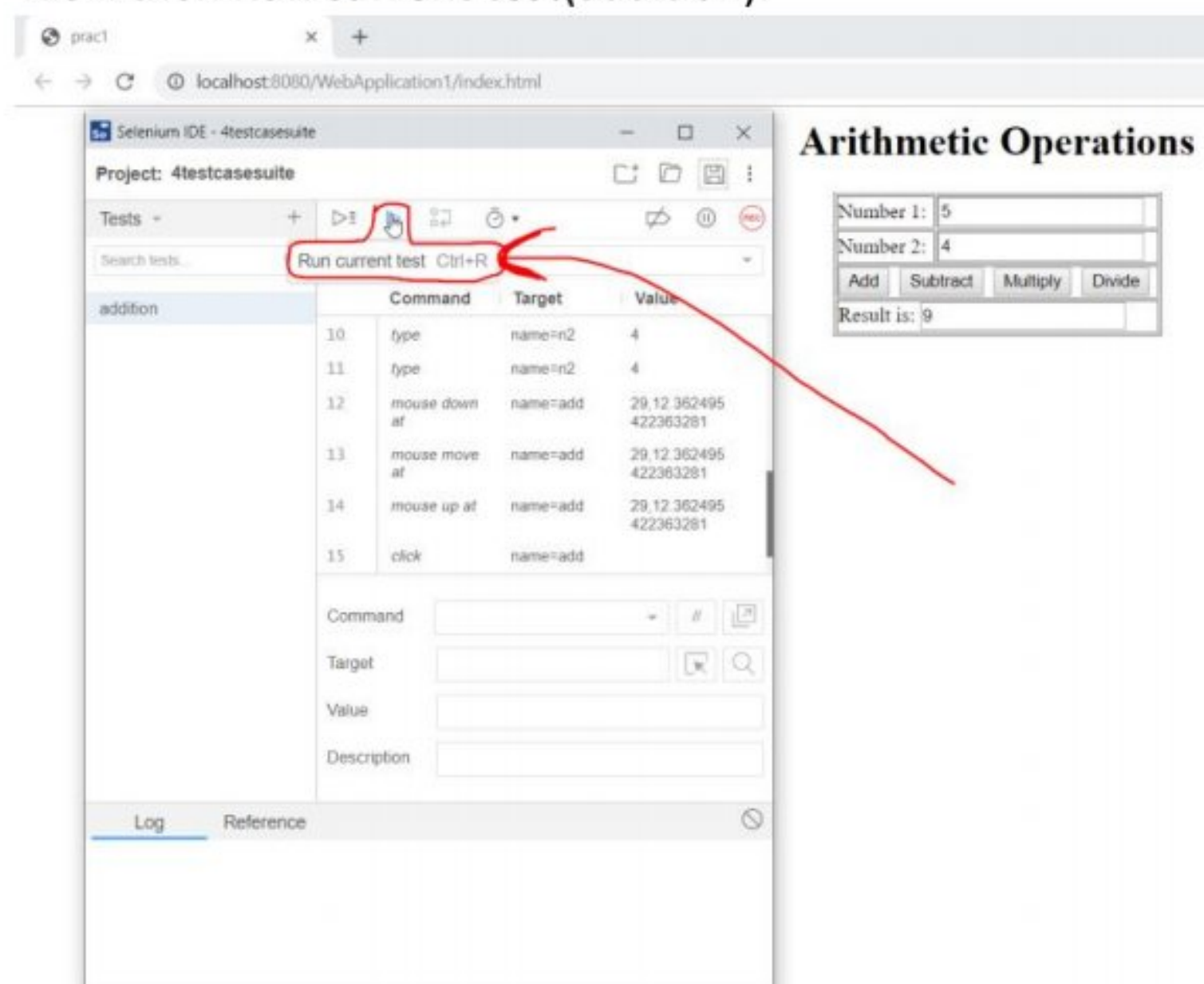
- **NOTE THAT** each clicks are recorded:



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



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

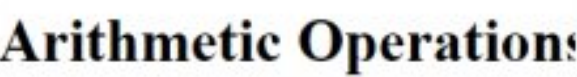




- chrome-extension://nrooifkaiht: X +
- ← → X Selenium IDE | chrome-extension://nrooifkaihtkldjndioackdhalphkdt/tootrap.html ☆

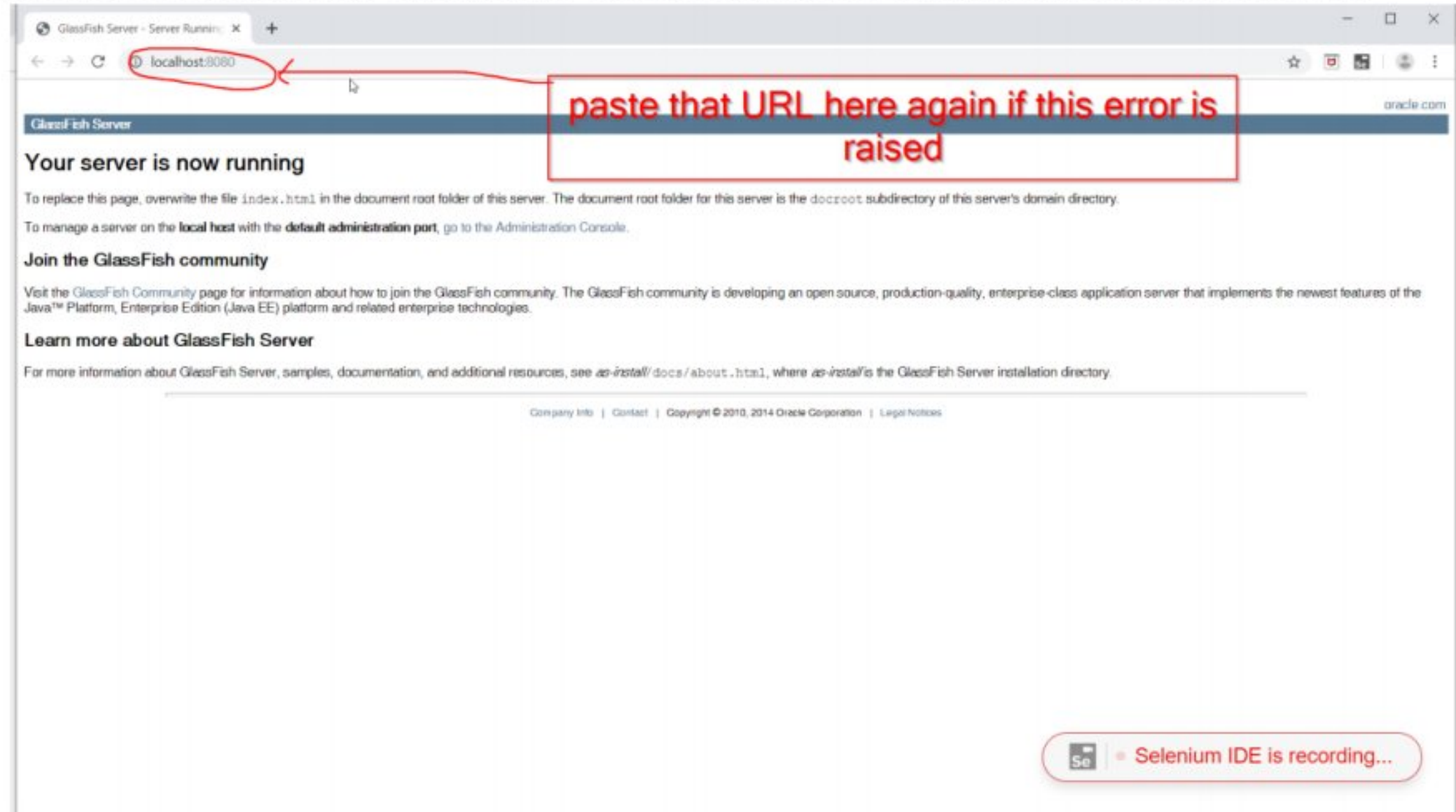


- localhost:8080/WebApplication1/index.html

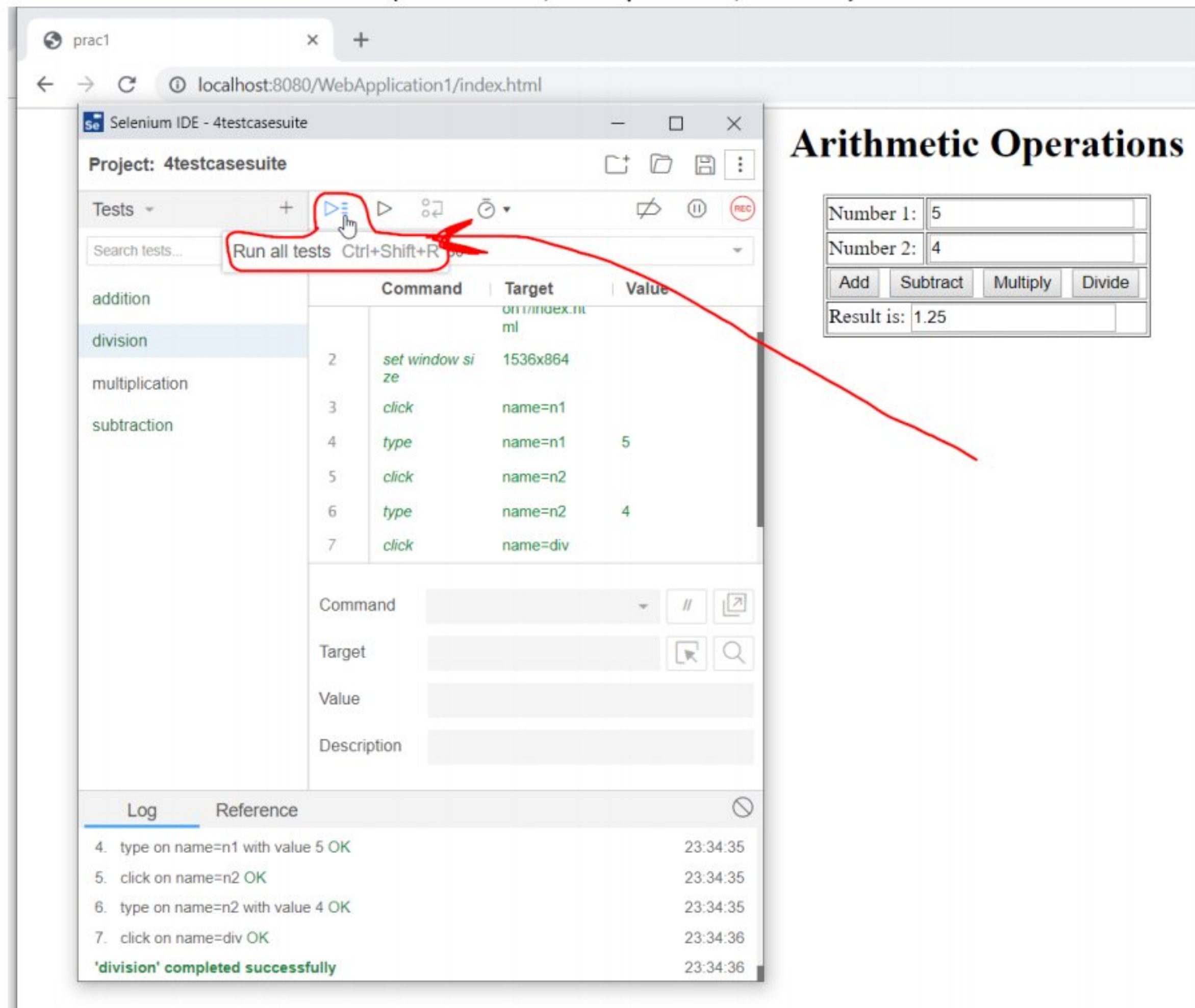




- **NOTE2:** Paste here the URL again if the Glassfish Error occurs between any test case:



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



## 6) Finish!