

Session-19 Java Script

Thursday, September 8, 2022 12:54 PM

What is JavaScriptExecutor

JavaScriptExecutor is an Interface that helps to execute JavaScript through Selenium Webdriver.

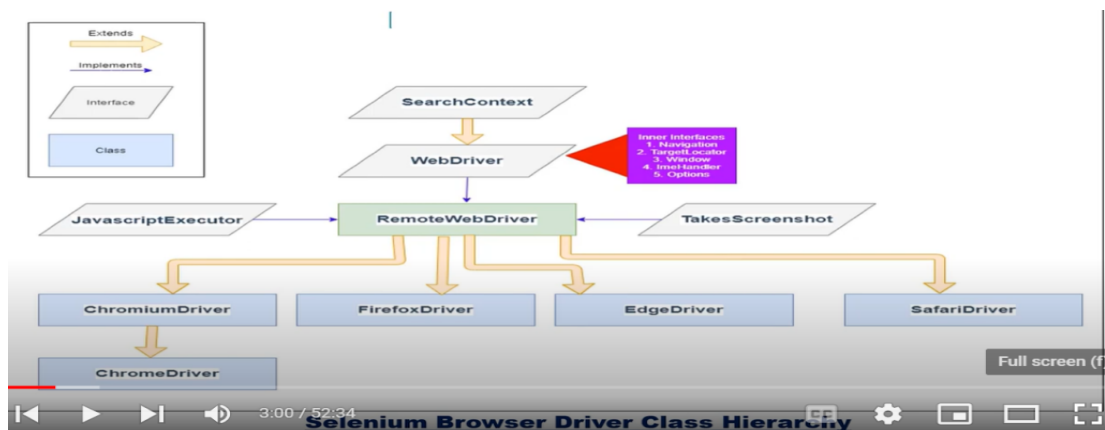
Syntax

```
JavaScriptExecutor js = (JavaScriptExecutor) driver;
js.executeScript(Script, Arguments);
```

Script – This is the JavaScript that needs to execute.

Arguments – It is the arguments to the script. It's optional.

Returns – could be anything from Boolean, Long, String, List, WebElement, or null.



Usage of JavaScriptExecutor

S.No.	Usage
1	To Click on a Button
2	To Type Text in a Text Box
3	To generate Alert Pop window
4	To refresh browser window using Javascript
5	To get the domain name
6	To get the Title of our webpage
7	To get the URL of a webpage
8	To get the Height and Width of a web page
9	To navigate to a different page using Javascript
10	To perform Scroll on an application
11	To Zoom Webpage
12	To Flash a web element

USAGE OF JAVASCRIPTEXECUTOR

```
1) To Type Text in a Text Box
js.executeScript("document.getElementById('Enter id').value='text to be entered';");

2) To Click on a Button
js.executeScript("arguments[0].click();", element);

3) To Refresh the browser window/page
js.executeScript("history.go(0)");

4) To get the domain name
js.executeScript("return document.domain;").toString();

5) To Draw border around element
js.executeScript("arguments[0].style.border = '3px solid red';", element);
```

```
6) To get the Title of our webpage
js.executeScript("return document.title;").toString();
```

6) To get the Title of our webpage
 js.executeScript("return document.title;").toString();

7) To get the URL of a webpage
 js.executeScript("return document.URL;").toString();

8) To Zoom page
 js.executeScript("document.body.style.zoom='50%'");

9) To get the Height and Width of a web page
 js.executeScript("return window.innerHeight;").toString();
 js.executeScript("return window.innerWidth;").toString();

10) To perform Scroll on an application using Selenium
 //scroll vertically till the end
 js.executeScript("window.scrollTo(0,document.body.scrollHeight)");

//scroll vertically page up
 js.executeScript("window.scrollTo(0,-document.body.scrollHeight)");

10) To perform Scroll on an application
 //scroll vertically till the end
 js.executeScript("window.scrollTo(0,document.body.scrollHeight)");

//scroll vertically page up
 js.executeScript("window.scrollTo(0,-document.body.scrollHeight)");

10) To flash webelement

```
//flash
String bgcolor = element.getCssValue("backgroundColor");
for (int i = 0; i < 50; i++)
{
    js.executeScript("arguments[0].style.backgroundColor
    = '#000000'", element);

    try {
        Thread.sleep(20); //20 ms
    } catch (InterruptedException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}
```

11) To generate Alert Pop window in Selenium Webdriver

```
js.executeScript("alert('Alert message.');
```

12) To navigate to a different page using Javascript

```
js.executeScript("window.location = 'URL'");
```

example-

```
js.executeScript("window.location = 'http://www.google.com'");
```

