# **JavaScriptExecutor in Selenium**

### **What is JavaScriptExecutor in Selenium?**

JavaScriptExecutor is an interface that is used to execute JavaScriprt through selenium webdriver. JavaScript is a programming language that interacts with HTML in a browser, and to use this function in Selenium, JavascriptExecutor is required.

Import org.openqa.selenium.JavascriptExecutor;

// creating a reference

JavascriptExecutor js = (JavascriptExecutor) driver;

// calling the method

js.executeScript(script, args);

**Example 1. JavascriptExecutor in Selenium to refresh the browser window**

*JavascriptExecutor js = (JavascriptExecutor) driver;*

*js.executeScript(“location.reload()”);*

**Example 2. JavascriptExecutor in Selenium to send text**

*JavascriptExecutor js = (JavascriptExecutor) driver;*

*js.executeScript(“document.getElementByID(‘element id ’).value = ‘xyz’;”);*

**Example 3. Get Title of a WebPage**

*JavascriptExecutor js = (JavascriptExecutor)driver;*

*string sText = js.executeScript(“return document.title;”).toString();*

**Example 4. Scroll Page**

*JavascriptExecutor js = (JavascriptExecutor)driver;*

*//Vertical scroll – down by 150 pixels*

*js.executeScript(“window.scrollBy(0,150)”);*

*js*.executeScript("arguments[0].scrollIntoView();", element);

**// JavascriptExecutor in Selenium to send text**

**Js.executeScript(“document.getElementByID(‘element id’).value=’text’;”);**

**Js.executeScript(“argument[0].value=’text’;”, element);**

//Perform Click on LOGIN button using JavascriptExecutor

**js.executeScript("arguments[0].click();", button);**

//To generate Alert window using JavascriptExecutor. Display the alert message

**js.executeScript("alert('Welcome to Guru99');");**

//Fetching the Domain Name of the site. Tostring() change object to name.

**String DomainName = js.executeScript("return document.domain;").toString();**

**System.out.println("Domain name of the site = "+DomainName);**

/Fetching the URL of the site. Tostring() change object to name

**String url = js.executeScript("return document.URL;").toString(); System.out.println("URL of the site = "+url);**

/Method document.title fetch the Title name of the site. Tostring() change object to name

**String TitleName = js.executeScript("return document.title;").toString(); System.out.println("Title of the page = "+TitleName);**

//Navigate to new Page i.e to generate access page. (launch new url)

**js.executeScript("window.location = 'https://demo.guru99.com/'");**

//Call executeAsyncScript() method to wait for 5 seconds

**js.executeAsyncScript("window.setTimeout(arguments[arguments.length - 1], 5000);");**