## **org.openqa.selenium.JavascriptExecutor**

## JavascriptExecutor – Interface

**All Known Implementing Classes:**

[ChromeDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/chrome/ChromeDriver.html), [EdgeDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/edge/EdgeDriver.html), [EventFiringWebDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/support/events/EventFiringWebDriver.html), [FirefoxDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/firefox/FirefoxDriver.html), [InternetExplorerDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/ie/InternetExplorerDriver.html), [OperaDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/opera/OperaDriver.html), [RemoteWebDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/remote/RemoteWebDriver.html), [SafariDriver](https://seleniumhq.github.io/selenium/docs/api/java/org/openqa/selenium/safari/SafariDriver.html)

# Highlight Element

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("arguments[0].setAttribute('style', 'background: yellow; border: 2px solid red;');", element);

**public** **class** JavaScriptExecutor

{

**public** **static** **void** HighlightMyElement(WebElement element , WebDriver driver)

{

**for** (**int** i = 0; i < 10; i++)

{

JavascriptExecutor javascript = (JavascriptExecutor) driver;

javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "color: orange; border: 4px solid orange;");

javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "color: pink; border: 4px solid pink;");

javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "color: yellow; border: 4px solid yellow;");

javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "");

}

}

}

# JavascriptExecutor to click

JavascriptExecutor js = (JavascriptExecutor)driver;

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

# JavascriptExecutor to enter test in a field

JavascriptExecutor exdriver = (JavascriptExecutor)driver;

exdriver.executeScript("arguments[0].setAttribute(arguments[1],arguments[2])", element, "value", "Mobile");

# ****To Scroll Web page Down using Selenium WebDriver****

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("window.scrollBy(0,250);", "");

# ****To scroll to the Bottom of the Web Page using Selenium WebDriver****

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("window.scrollBy(0,document.body.scrollHeight);");

# ****JavascriptExecutor to open a New Window (How to open new window without closing the old one ?****

driver.get("https://www.flipkart.com/");

((JavascriptExecutor)driver).executeScript("window.open('http://toolsqa.com/cucumber/first-cucumber-selenium-java-test/');");

**JavascriptExecutor to Display Alert Message**

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

**JavascriptExecutor to get DomainName , URL , PageTitle , Navigate**

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

String url = js.executeScript("return document.URL;").toString();

String TitleName = js.executeScript("return document.title;").toString();

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

**JavascriptExecutor Scroll till Element**

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

### ****To scroll down web page by 600 pixels In y(vertical) direction.****

JavascriptExecutor javascript = (JavascriptExecutor) driver;

javascript.executeScript("window.scrollBy(0,600)", "");

### ****To scroll up web page by 300 pixels In y(vertical) direction****

javascript.executeScript("window.scrollBy(0,-300)", "");

### ****Scroll down to bottom of the page.****

JavascriptExecutor javascript = (JavascriptExecutor) driver;

javascript.executeScript("window.scrollTo(0, document.body.scrollHeight)", "");

### ****Scroll till element.****

JavascriptExecutor je = (JavascriptExecutor) driver;

WebElement element = driver.findElement(By.xpath("//div[@id='dragdiv']")); je.executeScript("arguments[0].scrollIntoView(true);",element);

### ****Generating Alert Using Javascript Executor****

JavascriptExecutor javascript = (JavascriptExecutor) driver;

javascript.executeScript("alert('Test Case Execution Is started Now..');");

Thread.sleep(2000);

driver.switchTo().alert().accept();

### ****Get and store domain name in variable****

JavascriptExecutor javascript = (JavascriptExecutor) driver;

String DomainUsingJS=(String)javascript.executeScript("return document.domain");

System.out.println("My Current URL Is : "+DomainUsingJS);

### ****Get current page title****

String pagetitle=(String)javascript.executeScript("return document.title");

System.out.println("My Page Title Is : "+pagetitle);

### ****Check presence of horizontal scroll on page****

JavascriptExecutor javascript = (JavascriptExecutor) driver;

Boolean horzscrollStatus = (Boolean) javascript.executeScript("return document.documentElement.scrollWidth>document.documentElement.clientWidth;");

### ****Check presence of vertical scroll on page****

JavascriptExecutor javascript = (JavascriptExecutor) driver;

Boolean VertscrollStatus = (Boolean) javascript.executeScript("return document.documentElement.scrollHeight>document.documentElement.clientHeight;");

### ****Perform Click on LOGIN button using JavascriptExecutor****

WebElement button =driver.findElement(By.name("btnLogin"));

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

### ****Page To Load/Ready****

JavascriptExecutor js = (JavascriptExecutor)driver;

js.executeScript("return document.readyState").toString().equals("complete");