JavaScriptExecutor is one of the interfaces in selenium. The basic advantage of JavaScriptExecutor is it provides a way to execute JavaScript in Selenium Webdriver. Sometimes locators may not work, in that case JavaScriptExecutor will helps to interact with the web elements on the particular webpage.  The reason behind this is even selenium webdriver internally converts language bindings into its equivalent JavaScript and injects into the respective browser. JavaScriptExecutor is also very useful to identify and interact with the hidden and disabled elements on the webpage.

As JavaScriptExecutor is an interface so we cannot create an object to this, for this

**We need to create driver object using below syntax:**

**JavascriptExecutor js = (JavascriptExecutor) webdriver reference object;**

**Syntax for java script Executor**

**js.executeScript (java Script, arguments);**

1. **How to enter value into textbox:**

js.executeScript("document.getElementById('email').value='ranga@gmail.com'");

js.executeScript("document. querySelector (‘#enterimg').value='ranga@gmail.com'");

1. **How to click a button**

js.executeScript("document.querySelector ('#enterimg').click()");

3. How to refresh a window:

|  |  |
| --- | --- |
|  | **js.executeScript("history.go(0)");** |

4. How to get the text of a particular web element:

|  |  |
| --- | --- |
|  | **String text = js.executeScript("return document.getElementById('btn2').innerHTML").toString();**  **System.out.println("WebElement Text is : "+ text);** |
|  |  |

5. How to get the title of the WebPage:

|  |  |
| --- | --- |
|  | **String text = js.executeScript("return document.title").toString();**  **System.out.println("Page Title is : "+ text);** |

6. How to scroll vertically for certain pixels:

|  |  |
| --- | --- |
|  | **js.executeScript("window.scrollBy(0,500)");** |

The above code vertically scrolls 500 pixels towards down.

7. How to scroll till the bottom of the web page:

|  |  |
| --- | --- |
|  | **js.executeScript("window.scrollTo(0,document.body.scrollHeight)");** |

8. How to scroll to a particular element:

|  |  |
| --- | --- |
|  | **js.executeScript("document.scrollIntoView()",variable);** |

9. How to navigate back to page:

|  |  |
| --- | --- |
|  | **js.executeScript("window.history.back()");** |

10. How to navigate to next page:

|  |
| --- |
| **js.executeScript("window.history.forward()");**  11. **//to launch url**  **js.executeScript("window.location='https://facebook.com'");**  12. **//Fetching the Domain Name**  **StringsDomain=js.executeScript("return document.domain;").toString();**  **System.out.println("Domain = "+sDomain);**  //print url of current page  String url=js.executeScript("return document.URL;").toString();  System.***out***.println("url is::"+url);  **//disable textbox**  **js.executeScript("document.getElementById('txtPword').setAttribute('disabled','');");**  //**to scroll up completely**  js.executeScript("window.scrollTo(document.body.scrollHeight,0)"); |

This way we can JavaScriptExecutor to perform certain actions on a webpage if the normal selenium webdriver methods are not working.