**Scrolling Web Pages using Selenium WebDriver**

There are 3 different ways to Scroll Web Pages.  
  
1.Scroll page by proving pixel number.  
2. Scroll page till we find a web element on the page  
3. Scroll page till bottom of the page

To scroll web page using Selenium, we can use **JavaScriptExecutor** interface that helps to execute JavaScript methods through Selenium Webdriver.

**Syntax:**  
window.scrollBy(xnum, ynum)

**Parameters:**

* **xnum** is a *Number*
* Required. How many pixels to scroll by, along the x-axis (horizontal). Positive values will scroll to the right, while negative values will scroll to the left
* **ynum** is a *Number*
* Required. How many pixels to scroll by, along the y-axis (vertical). Positive values will scroll down, while negative values scroll up

**Return Value:**No return value

**Examples:**

**Scroll page by proving pixel number**

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

**Scroll page till we find a web element on the page**

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

**Scroll page till bottom of the page**

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

**Test Script**

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Scrolling {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "C://Drivers/chromedriver\_win32/chromedriver.exe");

WebDriver driver = new ChromeDriver();

driver.get("https://www.countries-ofthe-world.com/flags-of-the-world.html");

driver.manage().window().maximize(); // maximum browser window

JavascriptExecutor js = (JavascriptExecutor) driver;

// 1. scrolling by using pixel

js.executeScript("window.scrollBy(0,1000)", "");

// 2. scrolling page till we find element

WebElement flag = driver

.findElement(By.xpath("//\*[@id='content']/div[2]/div[2]/table[1]/tbody/tr[86]/td[1]/img"));

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

// 3. scroll page till bottom

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

}

}