Scroll Function

There are 2 ways to scroll using java script executor.

1. Scroll one by one
2. Directly scroll to that particular element

**Example:**

**package** zLearn;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebDriverException;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.chrome.ChromeOptions;

**public** **class** ScrollDemo {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

WebDriver driver = **null**;

System.*setProperty*("webdriver.chrome.driver","chromedriver.exe");

ChromeOptions options = **new** ChromeOptions();

options.addArguments("--test-type");

driver= **new** ChromeDriver(options);

driver.manage().window().maximize();

driver.get("http://toolsqa.com/");

System.***out***.println("Scroll down");

*scrollOnebyOne*(driver,6,"pagedownsteps");

Thread.*sleep*(5000);

System.***out***.println("Scroll Up");

*scrollOnebyOne*(driver,0,"pagetop");

Thread.*sleep*(5000);

System.***out***.println("Scroll to specific element");

*Scroll*(driver,"//\*[@id='content']/div[11]/div/div/div/div[2]/div/p/span");

Thread.*sleep*(5000);

}

//Purpose : scroll to the particular element step wise

//Parameters : Driver instance, Attribute value for downward steps, scroll direction(Up Or Down)

**public** **static** **void** scrollOnebyOne(WebDriver webDriver,**int** downwardsteps,String scrolldirection)

{

JavascriptExecutor js = (JavascriptExecutor)webDriver;

WebElement scrollelement=**null**;

**try** {

**if**(scrolldirection.equalsIgnoreCase("pagetop") && downwardsteps==0)

{

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

}

**else** **if**(scrolldirection.equalsIgnoreCase("pagedownsteps"))

{

**for**(**int** sl=0;;sl++)

{

**if**(sl>=downwardsteps)

{

**break**;

}

js.executeScript("window.scrollBy(0,200)","");

**try** {

Thread.*sleep*(1000);

} **catch** (InterruptedException e) {

e.printStackTrace();

}

}

}

}

**catch** (WebDriverException w1) {

System.***out***.println(w1.getMessage());

}

}

//Purpose : scroll to the particular element directly

//Parameters : Driver instance, Attribute value for downward steps, scroll to element locator

**public** **static** **void** Scroll(WebDriver webDriver,String strAttribute)

{

JavascriptExecutor jse = (JavascriptExecutor)webDriver;

WebElement scrollelement=**null**;

**try** {

scrollelement=webDriver.findElement(By.*xpath*(strAttribute));

jse.executeScript("arguments[0].scrollIntoView(true);",scrollelement);

}

**catch** (WebDriverException w1) {

System.***out***.println(w1.getMessage());

}

}

}