**Handling Child Windows:**

When any child windows are opened when running selenium scripts and if we want to do some operations on child windows, we need to explicitly move to the child window. We can move to any child window we need to get the window handler first.

If we want to get the window handler of the current window we can use getWindowHandle() method. If we want to get all window handles we have to use getWindowHandles() and it returns a set and we can use Iterator to go through the set.

Once we get the window handle we can sue switch() method to switch between different windows.

**package** Selenium;

**import** java.util.Iterator;

**import** java.util.Set;

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

**import** org.openqa.selenium.Keys;

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

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** ChildWindows1 {

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

System.*setProperty*("webdriver.gecko.driver", "C:\\BrowserDrivers\\geckodriver.exe");

WebDriver driver = **new** FirefoxDriver();

driver.get("file:///D:/Selenium%20Course/Java/index.html");

String str = driver.getWindowHandle();

System.***out***.println("Parent Window Handle is "+str);

driver.findElement(By.*linkText*("Google Link")).click();

Thread.*sleep*(3000);

Set<String> ids = driver.getWindowHandles();

Iterator<String> it = ids.iterator();

String parentid = it.next();

String childid = it.next();

System.***out***.println("Switching to child window");

driver.switchTo().window(childid);

String str1 = driver.getWindowHandle();

System.***out***.println("Child Window Handle is "+str1);

driver.findElement(By.*id*("lst-ib")).sendKeys("selenium tutorials");

driver.findElement(By.*id*("lst-ib")).sendKeys(Keys.***TAB***);

driver.findElement(By.*xpath*("//input[@value='Google Search']")).click();

driver.quit();

}

}