**Window maximizing**

System.*setProperty*("webdriver.chrome.driver","C:\\Users\\Varun\\workspace\\demoqa\\drivers\\chromedriver (2).exe");

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

options.addArguments("--start-maximized");

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

Thread.*sleep*(2000);

*driver*.get(*URL*);

**Multiple window Handling:**

ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

**Auto IT Tools:**

1. **SciTE (script editor)**

ControlFocus("Open","","Edit1")

ControlSetText("Open","","Edit1","D:\download.jpg")

ControlClick("Open","","Button1")

1. **(Frozen) AutoIT v3window info**

**Auto IT code:**

(.Exe file saved location)

Runtime.*getRuntime*().exec("D:\\script.exe");

**Drag and Drop Function:**

**Drag and Drop via Selecting Target:**

WebElement element = *driver*.findElement(By.*xpath*("html/body/div[1]/div/div[1]/main/article/div/div/div/div[2]/div/div[1]/p"));

WebElement target = *driver*.findElement(By.*xpath*("html/body/div[1]/div/div[1]/main/article/div/div/div/div[2]/div/div[3]/div[1]"));

(**new** Actions(*driver*)).dragAndDrop(element, target).perform();

**Drag and Drop via Giving Offsets:**

Locate element which you wants to drag.

WebElement dragElementFrom = *driver*.findElement(By.*xpath*("html/body/div[1]/div/div[1]/main/article/div/div/div/div[1]/div/div"));

To drag and drop element by 100 pixel offset In direction X and Y.

**new** Actions(*driver*).dragAndDropBy(dragElementFrom, 200, 200).build() .perform();

**Re sizable Function:**

**X path should take only where the resize element is available:**

WebElement resizeable = *driver*.findElement(By.*xpath*("html/body/div[1]/div/div[1]/main/article/div/div/div[1]/div/div/div[3]"));

Actions action = **new** Actions(*driver*);

Action resize = action.clickAndHold(resizeable).moveByOffset(150, 100).release().build();

resize.perform();

**Window Scroll Function:**

JavascriptExecutor jse = (JavascriptExecutor) *driver*;

jse.executeScript("window.scrollBy(1156, 694)", "");

**This script helps you to switch over from a **Parent window** to a **Child window** and back control to Parent window:**

String parentWindow = driver.getWindowHandle();Set<String> handles = driver.getWindowHandles();

for(String windowHandle : handles)

{

if(!windowHandle.equals(parentWindow))

{

driver.switchTo().window(windowHandle);

<!--Perform your operation here for new window-->

driver.close(); //closing child window

driver.switchTo().window(parentWindow); //cntrl to parent window

}

}

**Mouse hover code:**

//xpath the parent

WebElement getmenu= *driver*.findElement(By.*xpath*("html/body/div[1]/div/div[1]/main/article/div/div/div[2]/div/div/ul/li[1]/a"));

Actions act = **new** Actions(*driver*);

act.moveToElement(getmenu).perform();

Thread.*sleep*(5000);

//xpath the child

WebElement clickElement= *driver*.findElement(By.*xpath*("html/body/div[1]/div/div[1]/main/article/div/div/div[2]/div/div/ul/li[1]/ul/li[1]/a"));

act.moveToElement(clickElement).click().perform();

**Random Alpha function** :(repeatedly using the same names in registration form Error will occured ,it should restricted by the below code)

(it should be used in class funtion)

String randomAlpha = RandomStringUtils.*randomAlphabetic*(4);

driver.findElement(By.*id*("username")).sendKeys("koothabiran"+randomAlpha);

driver.findElement(By.*id*("email\_1")).sendKeys("koothabiran"+randomAlpha+"@gmail.com");

**Git UP comments:**

git init

git add .

git commit -am "first commit"

git remote add origin https://github.com/shyam2607/Practo.git

git push -f origin master

**Any changes the already pushed code use the below githup comments ( 2nd time pushing the code )**

$ git add .

$ git commit -am "updt Commit"

$ git push -f origin master