**Robot in Selenium**

package pkg1;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.testng.annotations.Test;

// AWT : abstract window toolkit

import java.awt.AWTException;

import java.awt.Robot;

import java.awt.event.KeyEvent; // key of keyboards

import java.awt.Toolkit;

import java.awt.datatransfer.StringSelection;

public class gmailtest {

@Test

public void gmailTest() throws AWTException, InterruptedException

{

WebDriver driver = new FirefoxDriver();

driver.get("https://www.google.com/");

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

driver.findElement(By.linkText("Gmail")).click();

driver.findElement(By.id("Email")).sendKeys("vimlesh073");

driver.findElement(By.id("next")).click();

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

driver.findElement(By.id("Passwd")).sendKeys("Alpha@951");

driver.findElement(By.id("signIn")).click();

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

//click on sign in

driver.findElement(By.xpath("//div[contains(text(),'COMPOSE')]")).click();

//click on compose button

driver.findElement(By.xpath("//form[1]//textarea[1]")).sendKeys("neha.ggarg@gmail.com");

//enter email id where you need to send email

driver.findElement(By.xpath("//div[@class='aoD az6']//input[@class='aoT']")).sendKeys("Please find attachment");

//Enter subject

Thread.sleep(15000);

driver.findElement(By.xpath("//div[@class='a1 aaA aMZ']")).click();

//click on attachment icon

//Robot is built in class

Robot robot = new Robot(); // Robot class throws AWT Exception

Thread.sleep(5000); // Thread.sleep throws InterruptedException

//to copy file from physical location

StringSelection ss = new StringSelection("C:\\Users\\vkumar15\\Desktop\\Angular JS Course Outline.pdf");

//upload your file using RobotClass

//attach your path where file is located.

Toolkit.getDefaultToolkit().getSystemClipboard().setContents(ss, null);

Thread.sleep(5000);

//paste to destination

robot.keyPress(KeyEvent.VK\_CONTROL);

robot.keyPress(KeyEvent.VK\_V);

//key release

robot.keyRelease(KeyEvent.VK\_CONTROL);

robot.keyRelease(KeyEvent.VK\_V);

Thread.sleep(6000);

//okkk

robot.keyPress(KeyEvent.VK\_ENTER);

//ok release

robot.keyRelease(KeyEvent.VK\_ENTER);

Thread.sleep(10000);

driver.findElement(By.xpath("//div[text()='Send']")).click();

}

}