**Q) 1. Open Facebook.**

**2. Click on Username -> Type Username in capitals (Use Keyboard Actions)--> Copy Username using Keyboard Actions.**

**3. Open Context Menu and Paste username in the last name .**

**4.Type Mobile Number.**

**5. Click on password --> Right Click and select suggested passwords --> Choose a suggested password.**

**Answer**

package org.example;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import java.time.Duration;

public class Main {

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

//giving path to where chrome driver is downloaded

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Pallavi.Arora\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver = new ChromeDriver();

//maximizing the window which opens

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

//deleting all the cookies and cache

driver.manage().deleteAllCookies();

//adding pageLoadTimeout of 30secs so that the page is fully loaded before performing any action

driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(30));

//

// //opening facebook

driver.get("https://www.facebook.com/campaign/landing.php?campaign\_id=14884913640&extra\_1=s%7Cc%7C550525805904%7Cb%7Cgooglefacebook%7C&placement=&creative=550525805904&keyword=googlefacebook&partner\_id=googlesem&extra\_2=campaignid%3D14884913640%26adgroupid%3D128696221672%26matchtype%3Db%26network%3Dg%26source%3Dnotmobile%26search\_or\_content%3Ds%26device%3Dc%26devicemodel%3D%26adposition%3D%26target%3D%26targetid%3Dkwd-10747043725%26loc\_physical\_ms%3D1007765%26loc\_interest\_ms%3D%26feeditemid%3D%26param1%3D%26param2%3D&gclid=EAIaIQobChMIxeqYzb3h\_wIVJJnCCh0kFwHREAAYASAAEgL5\_fD\_BwE");

//clicking on First name input box

driver.findElement(By.name("firstname")).click();

//creating Actions class

Actions action = new Actions(driver);

//using keyboard actions to press down and shift and send the name in capital

action.keyDown(Keys.SHIFT);

action.sendKeys("Pallavi");

action.keyUp(Keys.SHIFT).build().perform();

//selecting the name

action.keyDown(Keys.CONTROL);

action.sendKeys("a");

action.keyUp(Keys.CONTROL).build().perform();

//copying the name

action.keyDown(Keys.CONTROL);

action.sendKeys("c");

action.keyUp(Keys.CONTROL).build().perform();

//clicking on last name

driver.findElement(By.name("lastname")).click();

//pasting the name in last name field

action.keyDown(Keys.CONTROL);

action.sendKeys("v");

action.keyUp(Keys.CONTROL).build().perform();

//mobile number

driver.findElement(By.name("reg\_email\_\_")).sendKeys("9876543212");

//clicking on suggest password and choosing password

//code is written below. This action can't be performed as we need to sign in to chrome to perform this

// action.contextClick(driver.findElement(By.name("reg\_passwd\_\_"))).perform();

// WebElement suggestPassword = driver.findElement(By.id("suggested"));

// suggestPassword.click();

}

}

**Q) Difference between Robot and Action class.**

**A)** Actions class performs a simulation of mouse and keyboards events whereas the robot class performs the events using actual mouse and keyboard. With robot class we can see the mouse moving when we perform a mouse event, but Actions class is a simulation so the event will be performed but we won’t see the mouse actually moving. Actions class uses WebDriver API to perform events whereas Robot class uses the native system.

**Q)** **For Downloading Uploading a File Go to** [**https://smallseotools.com/plagiarism-checker/**](https://smallseotools.com/plagiarism-checker/)

**Click on Upload File and Upload a document**

**Answer**

package org.example;

import org.openqa.selenium.\*;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.openqa.selenium.interactions.Actions;

import java.time.Duration;

public class Main {

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

//disabling notifications

ChromeOptions options = new ChromeOptions();

options.addArguments("--disable-notifications");

//giving path to where chrome driver is downloaded

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Pallavi.Arora\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver = new ChromeDriver();

//maximizing the window which opens

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

//deleting all the cookies and cache

driver.manage().deleteAllCookies();

//waiting for page to load completely before performing any action

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

//opening given url

driver.get("https://smallseotools.com/plagiarism-checker/");

//scrolling to the upload element

JavascriptExecutor javascriptExecutor= (JavascriptExecutor) driver;

javascriptExecutor.executeScript("window.scrollBy(0,700)","");

Actions actions = new Actions(driver);

Thread.sleep(3000);

//uploading file

WebElement uploadButton = driver.findElement(By.name("fileUpload"));

actions.moveToElement(uploadButton);

uploadButton.sendKeys("C:\\Users\\Pallavi.Arora\\Downloads\\Selenium-3.0-Course-Content.pdf");

}

}

