**WebElement methods: WebElment methods are used to take actions on elements present in webpage**

**1. Sendkeys():** This method is use to enter value in the input/text field

**2. Clear():**This method is use to clear value in the text field.

**3. Click():** Click method is use to click on buttons, links also use to select radio buttons & checkboxes.

**4. getText:** This method is use to get text present in a webpage. Return type of getText function is String.

**5. isEnabled():** This method is use to verify element is enabled or disabled. Return type of isenabled function boolean if element is enabled then it returns true otherwise it returns false

**6. isSelected():** This method is use to verify radio button/checkbox is selected or not. Return type of isSelected function is boolean. If radio button/checkbox is selected then it returns true otherwise it returns false.

**7. isDisplayed():** This method is use to verify element is present or not. Return type of isDisplayed function is boolean. if element is present then it returns true otherwise it returns exception.

Example of send Kesys and clear:

**package** WebElementMethods;

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

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

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

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

**public** **class** SendKeysStudy {

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

System.*setProperty*("webdriver.chrome.driver", "F:\\Velocity\\May-2021 Class\\test2\\chromedriver\_win32 (1)\\chromedriver.exe");

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

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

driver.get("https://en-gb.facebook.com/");

// driver.findElement(By.id("email")).sendKeys("123456");

//

// Thread.sleep(5000);

// driver.findElement(By.id("email")).clear();

//

// Thread.sleep(2000);

//

// driver.findElement(By.id("email")).sendKeys("0000000");

// WebElement UN = driver.findElement(By.id("email"));

//

// UN.sendKeys("12345");

//

// Thread.sleep(1000);

// UN.clear();

// Thread.sleep(1000);

//

// UN.sendKeys("00000");

Thread.*sleep*(2000);

//System.out.println(driver.findElement(By.xpath("//button[@type='submit']")).getText());

String text = driver.findElement(By.*xpath*("//button[@type='submit']")).getText();

System.***out***.println("Text is "+text);

}

}

Example of is displayed

**package** WebElementMethods;

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

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

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

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

**public** **class** IsEnabledExample {

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

System.*setProperty*("webdriver.chrome.driver", "F:\\Velocity\\May-2021 Class\\test2\\chromedriver\_win32 (1)\\chromedriver.exe");

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

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

driver.get("https://en-gb.facebook.com/");

WebElement password = driver.findElement(By.*xpath*("//input[@id='pass']"));

System.***out***.println(password.isEnabled());

}

}

Is selected example

**package** WebElementMethods;

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

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

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

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

**public** **class** IsSelectedExample {

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

System.*setProperty*("webdriver.chrome.driver", "F:\\Velocity\\May-2021 Class\\test2\\chromedriver\_win32 (1)\\chromedriver.exe");

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

driver.get("https://en-gb.facebook.com/");

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

Thread.*sleep*(3000);

//use of link text and partial link text

//driver.findElement(By.linkText("Forgotten account?")).click();

//driver.findElement(By.partialLinkText("Forgotten")).click();

driver.findElement(By.*xpath*("(//a[@role='button'])[2]")).click();

Thread.*sleep*(8000);

//System.out.println(driver.findElement(By.xpath("//input[@value='1']")).isSelected());

WebElement Female = driver.findElement(By.*xpath*("//input[@value='1']"));

**boolean** Result = Female.isSelected();

System.***out***.println(Result);

Thread.*sleep*(2000);

Female.click();

Thread.*sleep*(2000);

**boolean** Result1 = Female.isSelected();

System.***out***.println(Result1);

}

}

Is Selected by if else loop

**package** WebElementMethods;

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

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

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

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

**public** **class** IsSellectedex2if\_Else {

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

System.*setProperty*("webdriver.chrome.driver", "F:\\Velocity\\May-2021 Class\\test2\\chromedriver\_win32 (1)\\chromedriver.exe");

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

driver.get("https://en-gb.facebook.com/");

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

Thread.*sleep*(3000);

driver.findElement(By.*xpath*("(//a[@role='button'])[2]")).click();

Thread.*sleep*(8000);

WebElement Female = driver.findElement(By.*xpath*("//input[@value='1']"));

**boolean** Result = Female.isSelected();

**if**(Result==**true**)// will check for condition //checking 1st time

{

//if condition is true print below statement

System.***out***.println("Radio button is already selected");

}

**else** {

//if condition is false print below statement and take click action

System.***out***.println("Radio button is not selected");

Female.click();// now element is selected

**boolean** Result1 = Female.isSelected();

**if** (Result1==**true**)//check 2nd time

{

System.***out***.println("Radio button is selected now");

}

**else** {

System.***out***.println("Please select radio button");

}

}

}

}

isDisplayed

**package** WebElementMethods;

**import** java.util.List;

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

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

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

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

**public** **class** IsDisplayedTest {

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

System.*setProperty*("webdriver.chrome.driver", "F:\\Velocity\\May-2021 Class\\test2\\chromedriver\_win32 (1)\\chromedriver.exe");

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

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

driver.get("https://vctcpune.com/selenium/practice.html");

WebElement CheckElement = driver.findElement(By.*id*("displayed-text"));

System.***out***.println(CheckElement.isDisplayed());

Thread.*sleep*(4000);

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

Thread.*sleep*(4000);

System.***out***.println(CheckElement.isDisplayed());

//List<WebElement> CheckElements = driver.findElements(By.id("displayed-text"));

}

}