**Driver FindElement() Methods**

**Sending Information to Text Boxes or Text Areas:**

driver.FindElement(By.id(“1”)).sendKeys(“hello”) - Used for Text box and enters the text

**Clicking a button or checkbox or radio button:**

driver.FindElement(By.id(“1”)).click()

**Clearing a value in a Text Box or Text Area:**

driver.FindElement(By.id(“1”)).clear() – clears the value in a text box/text area

**Getting the Attribute:**

driver.FindElement(By.id(“1”)).getAttribute(String arg0) – Gets the attribute

**Getting the CSS value (like color, width etc if these are defined in CSS Class):**

driver.FindElement(By.id(“1”)).getCssValue(String arg0) – Gets the css values of a css class attribute

**Getting the Tag Name:**

driver.FindElement(By.id(“1”)).getTagName() – Retruns whether it is div or span etc

**Getting the visible Text of an element:**

driver.FindElement(By.id(“1”)).getText() – Gets the text

**Check If an element is displayed or hidden:**

driver.FindElement(By.id(“1”)).isDisplayed() –

**Check if an element is enabled or disabled:**

driver.FindElement(By.id(“1”)).isEnabled() –

**Check if an element is selected or not:**

driver.FindElement(By.id(“1”)).isSelected() –

Example:

**package** Selenium;

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

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

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

**public** **class** FEMethods {

**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");

//Send keys method

driver.findElement(By.*id*("firstname")).sendKeys("subbu");

Thread.*sleep*(2000);

//Click method

driver.findElement(By.*id*("check")).click();

driver.switchTo().alert().dismiss();

Thread.*sleep*(2000);

//Clear method

driver.findElement(By.*id*("description")).clear();

Thread.*sleep*(2000);

//Get Attribute method

String str = driver.findElement(By.*id*("description")).getAttribute("name");

System.***out***.println("name attribute value is "+str);

Thread.*sleep*(2000);

//getCssValue method

String str1 = driver.findElement(By.*xpath*("//label[@for='upload']")).getCssValue("color");

System.***out***.println("css value is "+str1);

//getTagName method

String str2 = driver.findElement(By.*id*("description")).getTagName();

System.***out***.println("Tag Name is "+str2);

//getText Method

String str3 = driver.findElement(By.*id*("list1")).getText();

System.***out***.println("Text is "+str3);

//isDisplayed method

**if**(driver.findElement(By.*id*("mouseoverbtn")).isDisplayed()) {

System.***out***.println("The element is displayed");

}

**else** {

System.***out***.println("The element is hidden");

}

//isEnabled method

**if**(driver.findElement(By.*id*("disabled")).isEnabled()) {

System.***out***.println("The element is enabled");

}

**else** {

System.***out***.println("The element is disabled");

}

//isSelected method

**if**(driver.findElement(By.*name*("vehicle3")).isSelected()) {

System.***out***.println("The element is selected");

}

**else** {

System.***out***.println("The element is not selected");

}

driver.close();

}

}