**Selenium Class**

# Chapter#20 – Get and Is Series

1. Get Page Source
2. Get Page URL
3. Get Page Title
4. Is Displayed
5. Is Enabled
6. Is Selected

## Get Page Source

**driver.getPageSource();**

**driver:** This is an instance of the WebDriver in Selenium.

**getPageSource():** This method is called on the WebDriver instance to get the complete HTML source code of the current page.

**String pageSource:** The HTML source code is assigned to a String variable named pageSource.

## Get Page URL

**driver.getCurrentUrl();**

**driver:** This is an instance of the WebDriver in Selenium.

**getCurrentUrl():** This method is called on the WebDriver instance to obtain the current URL of the web page.

The returned value is typically stored in a String variable for further use or analysis.

## Get Page Title

**driver.getTitle();**

**driver:** This is an instance of the WebDriver in Selenium.

**getTitle():** This method is called on the WebDriver instance to obtain the title of the current web page.

The returned value (the title) is typically stored in a String variable for further use or analysis.

## Is Displayed

**Element.isDisplayed()**

**driver.findElement(By.id("button"))**: This part of the code uses Selenium's findElement method to locate a web element on the page using its ID. In this case, it's finding an element with the ID "button."

**isDisplayed()**: This part of the code is calling the isDisplayed method on the located WebElement. The isDisplayed method returns a boolean value: true if the element is currently displayed on the page, and false if it is not.

So, the entire expression driver.findElement(By.id("button")).isDisplayed() will evaluate to true if the element with the ID "button" is currently displayed, and false if it is not.

## Is Enabled

**Element.isEnabled()**

**driver.findElement(By.id("button")):** This part of the code uses Selenium's findElement method to locate a web element on the page using its ID. In this case, it's finding an element with the ID "button."

**isEnabled():** This part of the code is calling the isEnabled method on the located WebElement. The isEnabled method returns a boolean value: true if the element is currently enabled (meaning it can receive user interactions), and false if it is disabled.

So, the entire expression driver.findElement(By.id("button")).isEnabled() will evaluate to true if the element with the ID "button" is currently enabled, and false if it is disabled.

## Is Selected

**Element.isSelected()**

**driver.findElement(By.id("button")):** This part of the code uses Selenium's findElement method to locate a web element on the page using its ID. In this case, it's finding an element with the ID "button."

**isSelected():** This part of the code is calling the isSelected method on the located WebElement. The isSelected method returns a boolean value: true if the element is currently selected (e.g., a checkbox is checked), and false if it is not selected.

So, the entire expression driver.findElement(By.id("button")).isSelected() will evaluate to true if the element with the ID "button" is currently selected, and false if it is not.