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Selenium Java Training - Session 13 - WebDriver API Commands - Part 2 and Executing Scripts on different browsers

WebDriver API Commands - Part 2 and Executing Scripts on different browsers

Selenium WebDriver API Commands (Continued)

- **getTitle()** **-** Used to <u>retrieve the title</u> of the <u>current web page</u> - [Demonstrate here](#)
- **getCurrentUrl()** **-** Used to retrieve the URL of the current web page - [Demonstrate here](#)
- **close()** **-** Used to close the current Browser window - [Demonstrate here](#)
- **quit()** - Used to close all the Browser windows (i.e. All the browser windows, including child windows will be closed) - [Demonstrate here](#)
- **getAttribute()** **-** Used to retrieve the value stored in the specified attribute value of the html element - [Demonstrate here](#)
- **isDisplayed()** **-** Used to find out whether the element is displayed on the page (i.e. available on the page) <u>before performing operations on it</u> - Demonstrate [here](#)
- **isEnabled()** **-** Used to find out whether the element is enabled or disabled before performing operation on it - [Demonstrate here](#)
- **isSelected()** **-** Used to find out whether the <u>radio options and checkbox options</u> are selected or not. - [Demonstrate here](#)
- **navigate()** **-** Used to perform operations like navigate back to previous page, navigate forward again or refreshing the current. - [Demonstrate here](#)
- **getPageSource()** - Used to retrieve all the source code of the current page and return in the form of String - [Demonstrate here](#)
- **submit()** - Used to submit a form - Example: Search text field and Search Button on Omayo
- **getTagName()** - Used to get the html tag of the provided element - Example: find tag name of Search text field
- **getCSSValue()** - `driver.findElement(By.`*`id`*`("`home`")).getCssValue("`line-height`");`
- **getSize()** - Used to get the height and width of the given element - `Dimension d =` `driver.findElement(By.`*`id`*`("`but2`")).getSize(); - d.height and d.width`
- **getLocation()** - Used to get the x and y coordinate position of the given element - `Point p =` `driver.findElement(By.`*`id`*`("`but2`")).getLocation(); - p.x and p.y`
- **fullScreen()** - Used to display the web page in full screen mode - `driver.manage().window().fullscreen();`
- **findElements()** - Used to find and return <u>more than one</u> Web Element
  - **By.tagName()** - Print all the hyperlink texts on the web page

Executing Scripts on other browsers

- Firefox Browser - Using firefox compatible gecko driver
  - Firefox Browser Version - Selenium Version - GeckoDriver Version
- Internet Explorer Browser - IEDriverServer same as WebDriver version should be used
  - Download the same version of IEDriver, matching with Selenium WebDriver version
  - IE Settings > Toolbar > Internet Options > Security > Make sure all checkboxes are not selected
- Edge Browser - Using Edge Driver version same as Edge Browser version
- Execute the sample Selenium script on the specified browser
  - This is the reason why we are assigning the objects of different Classes to the variable of a Parent Interface

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