

Driver Methods / Browser Commands

a. `get()`

Loads the specified URL in the current browser window and waits until the page is fully loaded.

b. `getCurrentURL()`

Returns the current webpage URL that the browser is displaying.

c. `getPageSource()`

Returns the complete HTML source code of the current webpage as a String.

d. `getTitle()`

Returns the title of the current webpage.

e. `close()` vs `quit()`

`close()` → Closes the current browser window only.

`quit()` → Closes **all** windows and ends the WebDriver session completely.

f. `getWindowHandle()`

Returns the unique ID (String) of the current browser window.

g. `getWindowHandles()`

Returns a Set of unique IDs of **all** open browser windows.

h. `navigate()`

Provides navigation methods (back, forward, refresh, to) to move within browser history.

i. switchTo()

Switches the driver's focus to another window, frame, alert, or active element.

WebElement methods / commands

a. sendKeys()

Enters the given input text into a textbox, textarea, or any editable field.

b. clear()

Clears or removes existing text from an input field or textbox.

c. click()

Performs a mouse left-click action on a button, link, checkbox, radio button, etc.

d. findElement()

Finds and returns the **first matching** WebElement inside the current element's DOM.

e. findElements()

Returns a **list of all matching** elements (zero or more) inside the current element's DOM.

f. getDomAttribute()

Returns the value of the specified HTML attribute **as present in the DOM**, even if it changes dynamically.

g. getScreenshotAs()

Takes a screenshot of the element and returns it as a file or Base64 encoded image.

h. getText()

Returns the visible (inner) text of the element displayed on the webpage.

i. isDisplayed()

Checks if an element is **visible** on the webpage and returns true/false.

j. isEnabled()

Checks if an element is **enabled** (interactive) on the webpage.

k. isSelected()

Checks whether a checkbox, radio button, or selectable option is currently selected.