

3. Purpose of below Driver methods / Browser Commands

a. get()

Loads/open a webpage using the specified URL in the current browser window.

b. getCurrentURL()

Returns the URL of the webpage currently opened in the browser.

c. getPageSource()

Retrieves and returns the complete HTML source code of the active webpage.

d. getTitle()

Returns the title text of the current webpage.

e. close() vs quit()

close() closes only the current active browser window, while quit() closes all opened windows and ends the WebDriver session.

f. getWindowHandle()

Returns a unique ID of the currently active browser window.

g. getWindowHandles()

Returns a set of unique IDs for all browser windows currently opened.

h. navigate()

Used to perform browser navigation operations such as back, forward, refresh, or opening a URL.

i. switchTo()

Allows WebDriver to switch focus to alerts, frames, iframes, or another browser window.

4. Purpose of below WebElement methods / WebElement commands (1–2 lines each)

a. sendKeys()

Enters text, keyboard input, or special key actions into an editable field.

b. clear()

Removes existing text or value from an input element.

c. click()

Performs a mouse click action on the specified element.

d. findElement()

Locates and returns the first matching web element on the page based on the locator.

e. findElements()

Returns all matching elements as a list (empty list if nothing matches).

f. getDomAttribute()

Retrieves the value of a specified HTML attribute directly from the DOM.

g. getScreenshotAs()

Captures a screenshot of the specific WebElement.

h. getText()

Returns the visible text content of the element.

i. isDisplayed()

Checks whether the element is visible on the webpage.

j. isEnabled()

Checks if the element is enabled for user interaction.

k. isSelected()

Checks whether the element is selected (mainly used for checkboxes, radio buttons, and dropdown options).