

Write down the purpose of below Driver methods / Browser Commands in 1 or 2 lines

Purpose of Driver Methods / Browser Commands

a. `get()`

Loads a new webpage in the browser using the given URL and waits until the page is fully loaded.

b. `getCurrentURL()`

Returns the current URL of the webpage the browser is displaying.

c. `getPageSource()`

Returns the complete HTML source code of the current webpage.

d. `getTitle()`

Returns the title of the currently loaded webpage.

e. `close() vs quit()`

- `close()` → Closes the current browser window.
- `quit()` → Closes all browser windows and ends the WebDriver session.

f. `getWindowHandle()`

Returns the unique ID (handle) of the currently active browser window.

g. `getWindowHandles()`

Returns a set of unique IDs (handles) for all open browser windows/tabs.

h. `navigate()`

Used for browser navigation like `back()`, `forward()`, `refresh()`, and `to(URL)`.

i. `switchTo()`

Used to switch control to a frame, window, alert, or active element.

Purpose of WebElement Methods / Commands (1–2 lines each)

a. sendKeys()

Types/enters text into an input field or sends keyboard keys (like ENTER, TAB).

b. clear()

Clears the existing text from an input or textarea field.

c. click()

Performs a mouse-click action on the web element.

d. findElement()

Finds a single web element on the page using a locator; returns the first matched element.

e. findElements()

Returns a list of all matching elements using the given locator; returns empty list if none found.

f. getDomAttribute()

Returns the value of a DOM attribute exactly as defined in the HTML.

g. getScreenShotAs()

Takes a screenshot of the element and returns it in the requested format (file, bytes, base64).

h. getText()

Returns the visible (inner) text of the element.

i. isDisplayed()

Checks if the element is visible on the webpage.

j. isEnabled()

Checks if the element is enabled (usable), such as input fields or buttons.

k. isSelected()

Checks if an element like checkbox, radio button, or option is selected.