**WebDriver in selenium**

Selenium WebDriver is a popular web-based automation testing framework that is primarily used for automating tasks related to Web UI testing.

Selenium WebDriver does not interact directly with the web elements on a page. A browser-specific Selenium WebDriver acts as the bridge between the test script and the web browser.

[Selenium locators](https://www.lambdatest.com/learning-hub/selenium-locators) are used for locating elements on the page so that appropriate methods can be used for interacting with the element.

**Methods of selenium webdriver class**

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| --- | --- | --- |
| **Method** | **Syntax** | **Description** |
| get() | driver.get(url) |
| getCurrentUrl(); | driver.getCurrentUrl() |
| getTitle() | driver.getTitle() |
| findElements() | driver.findElements(By by) |
| findElement() | driver.findElement(By by) |
| [add\_cookie](https://www.geeksforgeeks.org/add_cookie-driver-method-selenium-python/) |  |  | |
| [back](https://www.geeksforgeeks.org/back-driver-method-selenium-python/?ref=rp) |  | Adds a cookie to your current session. | |
| [close](https://www.geeksforgeeks.org/close-driver-method-selenium-python/?ref=rp) | driver.back() | Goes one step backward in the browser history. | |
| [create\_web\_element](https://www.geeksforgeeks.org/create_web_element-driver-method-selenium-python/?ref=rp) | driver.close() | Closes the current window. | |
| [delete\_all\_cookies](https://www.geeksforgeeks.org/delete_all_cookies-driver-method-selenium-python/?ref=rp) |  | Creates a web element with the specified element\_id. | |
| [delete\_cookie](https://www.geeksforgeeks.org/delete_cookie-driver-method-selenium-python/?ref=rp) |  | Delete all cookies in the scope of the session. | |
| [delete\_cookie](https://www.geeksforgeeks.org/delete_cookie-driver-method-selenium-python/?ref=rp)  [execute\_async\_script](https://www.geeksforgeeks.org/execute_async_script-driver-method-selenium-python/) |  | Deletes a single cookie with the given name. | |
|  |
| [execute\_script](https://geeksforgeeks.org/execute_script-driver-method-selenium-python/) |  | Asynchronously Executes JavaScript in the current window/frame. | |
| [forward](https://www.geeksforgeeks.org/forward-driver-method-selenium-python/) |  | Synchronously Executes JavaScript in the current window/frame. | |
| [fullscreen\_window](https://www.geeksforgeeks.org/fullscreen_window-driver-method-selenium-python/) |  | Goes one step forward in the browser history. | |
| [get\_cookie](https://www.geeksforgeeks.org/add_cookie-driver-method-selenium-python/?ref=rp) |  | Invokes the window manager-specific ‘full screen’ operation | |
| [get\_cookies](https://www.geeksforgeeks.org/get_cookies-driver-method-selenium-python/?ref=rp) |  | Get a single cookie by name. Returns the cookie if found, None if not. | |
| [get\_log](https://www.geeksforgeeks.org/get_log-driver-method-selenium-python/?ref=rp) |  | Returns a set of dictionaries, corresponding to cookies visible in the current session. | |
| [get\_screenshot\_as\_base64](https://www.geeksforgeeks.org/get_screenshot_as_base64-driver-method-selenium-python/?ref=rp) | driver.get\_log(log\_type) | Gets the log for a given log type | |
| [get\_screenshot\_as\_file](https://www.geeksforgeeks.org/get_screenshot_as_file-driver-method-selenium-python/?ref=rp) |  | Gets the screenshot of the current window as a base64 encoded string which is useful in embedded images in HTML. | |
| [get\_screenshot\_as\_png](https://www.geeksforgeeks.org/get_screenshot_as_png-driver-method-selenium-python/?ref=rp) |  | Saves a screenshot of the current window to a PNG image file. | |
| [get\_window\_position](https://www.geeksforgeeks.org/get_window_position-driver-method-selenium-python/?ref=rp) |  | Gets the screenshot of the current window as a binary data. | |
| [get\_window\_rect](https://www.geeksforgeeks.org/get_window_rect-driver-method-selenium-python/?ref=rp) |  | Gets the x, y position of the current window. | |
| [get\_window\_rect](https://www.geeksforgeeks.org/get_window_rect-driver-method-selenium-python/?ref=rp)  [get\_window\_size](https://www.geeksforgeeks.org/get_window_size-driver-method-selenium-python/) |  | Gets the x, y coordinates of the window as well as height and width of the current window. | |
|  |
| [implicitly\_wait](https://www.geeksforgeeks.org/implicitly_wait-driver-method-selenium-python/?ref=rp) |  | Gets the width and height of the current window. | |
| [maximize\_window](https://www.geeksforgeeks.org/maximize_window-driver-method-selenium-python/?ref=rp) |  | Sets a sticky timeout to implicitly wait for an element to be found, | |
| [minimize\_window](https://www.geeksforgeeks.org/minimize_window-driver-method-selenium-python/?ref=rp) |  | Maximizes the current window that webdriver is using | |
| [quit](https://www.geeksforgeeks.org/quit-driver-method-selenium-python/) |  | Invokes the window manager-specific ‘minimize’ operation | |
| [refresh](https://www.geeksforgeeks.org/refresh-driver-method-selenium-python/) | driver.quit() | Quits the driver and closes every associated window. | |
| [set\_page\_load\_timeout](https://www.geeksforgeeks.org/set_page_load_timeout-driver-method-selenium-python/?ref=rp) |  | Refreshes the current page. | |
| [set\_script\_timeout](https://www.geeksforgeeks.org/set_script_timeout-driver-method-selenium-python/?ref=rp) | driver.set\_page\_load\_timeout(time\_To\_wait) | Set the amount of time to wait for a page load to complete before throwing an error. | |
| [set\_window\_position](https://geeksforgeeks.org/set_window_position-driver-method-selenium-python/) |  | Set the amount of time that the script should wait during an execute\_async\_script call before throwing an error. | |
| [set\_window\_rect](https://geeksforgeeks.org/set_window_rect-driver-method-selenium-python/) |  | Sets the x, y position of the current window. (window.moveTo) | |
| [current\_url](https://geeksforgeeks.org/current_url-driver-method-selenium-python/) |  | Sets the x, y coordinates of the window as well as height and width of the current window. | |
| [current\_window\_handle](https://geeksforgeeks.org/current_window_handle-driver-method-selenium-python/) |  | Gets the URL of the current page. | |
| [page\_source](https://geeksforgeeks.org/page_source-driver-method-selenium-python/) |  | Returns the handle of the current window. | |
| [title](https://geeksforgeeks.org/title-driver-method-selenium-python/) |  | Gets the source of the current page. | |
|  | driver.title | Returns the title of the current page. | |