

# Selenium Python: Common WebDriver and WebElement Methods

## 1. WebDriver - Common Methods

`get(url)`: Opens a webpage

`back()`: Goes to the previous page

`forward()`: Moves forward in browser history

`refresh()`: Reloads the page

`quit()`: Closes the browser entirely

`close()`: Closes current browser tab

`maximize_window()`: Maximizes the browser window

`minimize_window()`: Minimizes the window

`set_window_size(w, h)`: Sets window size

`current_window_handle`: Gets the current window handle

`window_handles`: List of all open window handles

`switch_to.window(handle)`: Switch to a new browser window/tab

`switch_to.frame(name_or_id)`: Switches to iframe

`switch_to.default_content()`: Goes back to main content

`switch_to.alert`: Switch to JavaScript alert

## 2. WebElement - Common Methods

`click()`: Clicks the element

`send_keys('text')`: Sends text to input field

`clear()`: Clears input field

`submit()`: Submits a form

`get_attribute('value')`: Gets value of an attribute

`get_property('value')`: Gets property (JS-style)

`is_displayed()`: True if visible on page

is\_enabled(): True if enabled for interaction

is\_selected(): True if checkbox/radio is selected

tag\_name: Returns tag name of element

text: Returns visible text of element

location: X, Y coordinates of element

size: Height and width

rect: Full position and size info

### **3. Locator Strategies (By)**

By.ID

By.NAME

By.CLASS\_NAME

By.TAG\_NAME

By.LINK\_TEXT

By.PARTIAL\_LINK\_TEXT

By.XPATH

By.CSS\_SELECTOR