Selector passed to the select() method

soup.select('div')

All elements named <div>

soup.select('#author')

The element with an id attribute of author

soup.select('.notice')

All elements that use a CSS class attribute named notice

soup.select('div span')

All elements named <span> that are within an element named <div>

soup.select('div > span')

All elements named <span> that are directly within an element named <div>, with no other element in between

soup.select('input[name]')

All elements named <input> that have a name attribute with any value

soup.select('input[type="button"]')

All elements named <input> that have an attribute named type with value button

|  |  |
| --- | --- |
| browser.find\_element\_by\_class\_name(*name*)  browser.find\_elements\_by\_class\_name(*name*) | Elements that use the CSS class *name* |
| browser.find\_element\_by\_css\_selector(*selector*) browser.find\_elements\_by\_css\_selector(*selector*) | Elements that match the CSS *selector* |
| browser.find\_element\_by\_id(*id*)  browser.find\_elements\_by\_id(*id*) | Elements with a matching *id* attribute value |
| browser.find\_element\_by\_link\_text(*text*)  browser.find\_elements\_by\_link\_text(*text*) | <a> elements that completely match the *text* provided |
| browser.find\_element\_by\_partial\_link\_text(*text*)  browser.find\_elements\_by\_partial\_link\_text(*text*) | <a> elements that contain the *text* provided |
| browser.find\_element\_by\_name(*name*)  browser.find\_elements\_by\_name(*name*) | Elements with a matching *name* attribute value |
| browser.find\_element\_by\_tag\_name(*name*) browser.find\_elements\_by\_tag\_name(*name*) | Elements with a matching tag *name* (case-insensitive; an <a> element is matched by 'a' and 'A') |

| **Attribute or method** | **Description** |
| --- | --- |
| tag\_name | The tag name, such as 'a' for an <a> element |
| get\_attribute(*name*) | The value for the element’s name attribute |
| text | The text within the element, such as 'hello' in <span>hello </span> |
| clear() | For text field or text area elements, clears the text typed into it |
| is\_displayed() | Returns True if the element is visible; otherwise returns False |
| is\_enabled() | For input elements, returns True if the element is enabled; otherwise returns False |
| is\_selected() | For checkbox or radio button elements, returns True if the element is selected; otherwise returns False |
| location | A dictionary with keys 'x' and 'y' for the position of the element in the page |

Commonly Used Variables in the selenium.webdriver.common.keys Module

Attributes

Meanings

Keys.DOWN, Keys.UP, Keys.LEFT, Keys.RIGHT

The keyboard arrow keys

Keys.ENTER, Keys.RETURN

The ENTER and RETURN keys

Keys.HOME, Keys.END, Keys.PAGE\_DOWN, Keys.PAGE\_UP

The HOME, END, PAGEDOWN, and PAGEUP keys

Keys.ESCAPE, Keys.BACK\_SPACE, Keys.DELETE

The ESC, BACKSPACE, and DELETE keys

Keys.F1, Keys.F2, . . . , Keys.F12

The F1 to F12 keys at the top of the keyboard

Keys.TAB

The TAB key

Clicking Browser Buttons

The selenium module can simulate clicks on various browser buttons as well through the following methods:

browser.back() Clicks the Back button.

browser.forward() Clicks the Forward button.

browser.refresh() Clicks the Refresh/Reload button.

browser.quit() Clicks the Close Window button.