**Basic Locators:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Locator Type** | **Syntax** | **Example** | **Selenium syntax Example** |
| Xpath | //tagname[attribute=value] | "//input[@name='email']" | driver.find\_element\_by\_xpath("//input[@name='email']") |
| Css selector | tagname[attribute=value] | "input[name='email']" | driver.find\_element\_by\_css\_selector("input[name='email']") |
| ID | No syntax | "id" | driver.find\_element\_by\_id("exampleFormControlSelect1") |
| Name | No syntax | "name" | driver.find\_element\_by\_name("name") |
| Class name | No syntax | "class-name" | driver.find\_element\_by\_class\_name("btn-success") |
| Link text | No syntax | "link-text" | driver.find\_element\_by\_link\_text("Genealogies") |
| Partial link text | No syntax | "partialtext" | driver.find\_element\_by\_partial\_link\_text("partialtext") |
| Tag name | No syntax | "tag-name" | driver.find\_element\_by\_tag\_name("span") |

**Customized XPATH Locator Without Tag Name**

Replace tag name with asterisk (\*) sign

***Syntax:*** //\*[attribute=value]

***Example***: //\*[@name = ‘email’] Created CSS selector present or not go to F12, console type $x(“//input[@type=’name’]”)

**Customized CSS Selector Syntax Without Tag Name**

Remove tag name

***Syntax***: [attribute=value]

***Example***: [class\*=‘alert-succes’] Created CSS selector present or not go to F12, console type $(“input[name=’name’]”)

**Generating XPATH based on text**

***Syntax:***  //tagname[contains(text(), ‘actual-text’)] //input[contains(text(),’Organization’)

***Example***: //span[contains(text(),'Users Info')]

**Creating XPATH by traversing tags**

***Syntax:*** ParentTag/ChildTag

***Example:*** //div[@class='product-action']/button

**Creating a CSS Selector by traversing to nth child**

***Syntax***: Tagname:nth-child(x)

***Example***: div:nth-child(1)

**Select Parent Locator from Child using XPATH**

***Syntax*** XPATH/parent::tagname

***Example***: //\*[title="test"]/parent::div

**Generating CSS Selector from Tag and Class Name**

Replace spaces with period(.) to use more than one class name

***Syntax***: Tagname.ClassName

***Example***: input.search-keyword

**The different locators in Selenium are as follows:**

* By CSS ID: *find\_element\_by\_id*
* By CSS class name: *find\_element\_by\_class\_name*
* By name attribute: *find\_element\_by\_name*
* By DOM structure or xpath: *find\_element\_by\_xpath*
* By link text: *find\_element\_by\_link\_text*
* By partial link text: *find\_element\_by\_partial\_link\_text*
* By HTML tag name: *find\_element\_by\_tag\_name*