**XPATH FUNCTION:**

1) text() ://tag[text()='text']

2) contains() ://tag[contains(@attribute,'value')]

://tag[contains(text(),'Facebook helps')]

3) starts-with() ://\*[starts-with(@attribute,'value')]

://tag[starts-with(text(),'Message')]

(for Text levels)

4) position() ://tag[position()=2]

://tag[position()!=2]

5) last() ://tag[last()] or //tag[last()-1]

XPATH AXES

1) Ancestor ://ancestor::name

2) Parent ://div[@id='row1']/parent::div

==>when has no attributes

3) Preceding ://li[text()="Verify text saved"]/parent::ol/ preceding-sibling::h5[1]

4)Following ://h5[contains(text(),'Test case 2)]/

following::sibling::ol[1]/li[2]

5)Descendant :descendant::employee

6)Following: Select all elements in the documents of the current node: //\*[@type='text']//following::input[1]

7) Preceding: //input[@id='u\_0\_v']//preceding::input[4]

8) Preceding: Select all elements that comes before the current node: //\*[@type=’submit’]//preceding::input

9) //\*[@type='submit' OR @name=btnReset']

10) //\*[@type='submit'and @name=btnReset']

An axes represents a relationship to the context (current) node. Used to locate nodes relative to that N.

🡺 //tag[@attribute=’value’]

🡺//tagname[@attribut1='value'][@attribut2='value']

🡺 //\*[@id=”id”] Select all elements with matching ID

🡺 //a[@rel] 🡺//a[starts-with(@href,’/’)]

🡺 /div/\* Select all children of a div element

🡺 //h1/following-sibling::ul Select all ul tag of h1 tag

🡺 //h1/following-sibling::[@id=”id”]

🡺 //h1/following-sibling::ul[1]

🡺 CSS Selector: tag id : tag#id

tag class : tag.class

tag attribute : tag[attribute=value]

tag class & attribute: tag.class[attribute=value]

Indexing: //a[1], //a[last()], //ul/li[2], //ul/li[po()=2]

|  |  |  |
| --- | --- | --- |
| **Condition** | **CSS selector** | **XPath** |
| All elements | \* | //\* |
| All <p> elements | p | //p |
| All child elements | p>\* | //p/\* |
| Select by id | #start | //\*[@id=’start’] |
| Select by class | .start | //\*[contains(@class,’start’)] |
| Select by attribute | \*[title] | //\*[@title] |
| First child of all <p> | p>\*:first-child | //p/\*[0] |
| All <p> elements with a child <a> | not possible to find | //p[a] |
| Next element | p + \* | //p/following-sibling::\*[0] |
| Previous element | not possible to find | //p/preceding-sibling::\*[0] |