How To Write Dynamic XPath In Selenium WebDriver

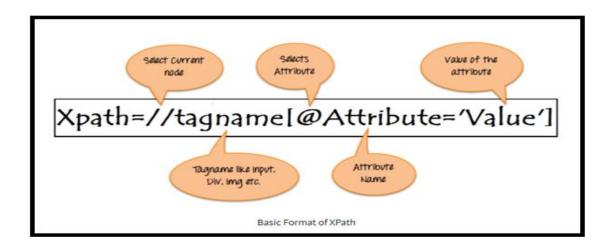
1)Basic XPath:

 The XPath expression select the node or list of nodes on the basic of attributes like ID, Name, class, value, etc.

```
Syntax: //tagname[@attribute_name='attribute_value']
```

Example://input[@id='MP_link']

The basic format of XPath in selenium

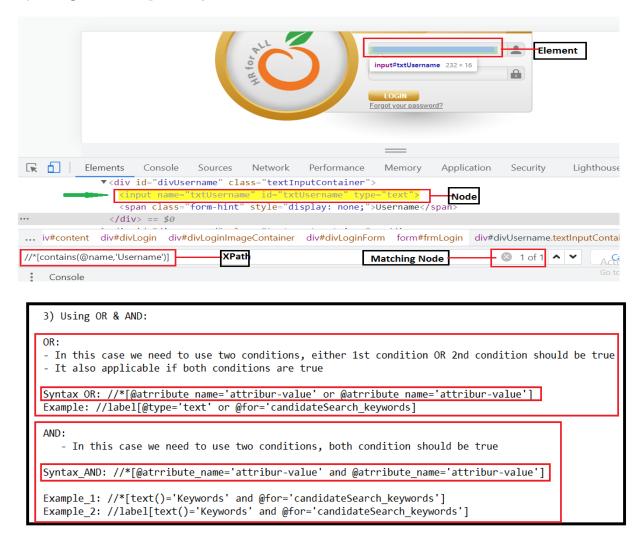


2) Using Contains():

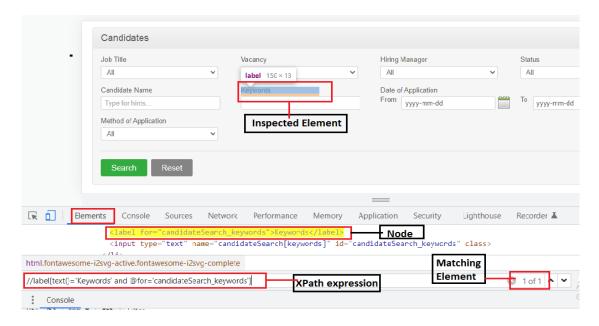
- It is method used in Xpath expression
- It is used when the value of any attribute changes dynamically.
- It has ability to find the element with partial text

```
Syntax://*[contains(@attribute_name,'attribute_value')]
//tagname[contains(@attribute_name,'attribute_value')]
```

2) Using Contains() Example:



3) Using OR & AND Example



```
4) Using Starts-with Function

- "Starts-with" function finds the element whose value changes on refresh any operation on web page

- We need to use the starting text or starting value of attribute to find the element

- You can also find the element using this function whose attribute value is static

Syntax: //tagname[starts-with(@atrribute_name,'attribur-value')]

Exapmle: //label[starts-with(text(),'Key')]

//div[starts-with(text(),'LOGIN')]
```

4) Using Starts-with Function Example



5) Using Text() Function:
- In this function we find the element with exact text match of the particular element
Syntax: //tagname[text()='element_text_value']

Example: //label[text()='Hiring Manager']