XPath Expressions - Part 3

- XPath functions: Part1
  - **text()** - Demonstrate at http://omayo.blogspot.in/
    - Find the p tags having the exact text 'PracticeAutomationHere' - //p[text()='PracticeAutomationHere']
    - Use . instead of text() - Find the p tag having the exact text 'PracticeAutomationHere' - //p[.='PracticeAutomationHere']
  - **contains()** - Demonstrate at http://omayo.blogspot.in/
    - Purpose:
      - It is used when the value of any attribute changes dynamically.
      - Has the ability to find the elements with partial text
      - If part of the attribute value is changing dynamically i.e. id='123main123' to id='456main456', we can use //tagName[contains(@id,'main')] to locate such dynamically changing attribute values.
    - Find the input tag having the text 'ra' inside its value attribute text - //input[contains(@value,'ra')]
    - Find the p tag containing the text 'Automation' - //p[contains(text(),'Automation')]
    - Find the p tag containing the text 'Automation' using.- //p[contains(.,'Automation')]
  - **starts-with()**
    - Purpose:
      - It is used when the value of any attribute changes dynamically.
      - Has the ability to find the elements with partial text i.e. initial partial text
      - If part of the attribute value is changing dynamically i.e. id='main123' to id='main456', we can use //tagName[starts-with(@id,'main')] to locate such dynamically changing attribute values.
    - Find the input tag having the value attribute text starting with letter 'o' - //input[starts-with(@value,'o')]
    - Find the p tag starting with text 'Practice' - //*[starts-with(text(),'Practice')]
    - Find the p tag starting with text 'Practice' using . - //*[starts-with(.,'Practice')]
- XPath Expressions - Part 2 - Demonstrate at http://omayo.blogspot.in/
  - Find all the hyper links in the page - //a
  - Find all the hyper links having URL 'http://www.Selenium143.blogspot.com' - //a[@href='http://www.Selenium143.blogspot.com']
  - Find the first hyper link having URL 'http://www.Selenium143.blogspot.com' - (//a[@href='http://www.Selenium143.blogspot.com'])[1]
  - Find the third hyper link having URL 'http://www.Selenium143.blogspot.com' - (//a[@href='http://www.Selenium143.blogspot.com'])[3]
  - Difference between (//a[@href='http://www.Selenium143.blogspot.com'])[3] and //a[@href='http://www.Selenium143.blogspot.com'][3]
    - Second XPath searches for the third element at tag level
    - First XPath searches for the third element at page level
  - Find first child of 'html' tag - //html/*[1]
  - Find second child of 'html' tag - //html/*[2]
  - Find first child of 'body' tag - //body/*[1]
  - Find second child of 'body' tag - //body/*[2]