XPath - Advanced

TestLeaf
Always Ahead

Absolute Xpath Signature

Absolute xpath:

/html/body/div[6]/footer/div/div/div[1]/div[1]/ul/li[1]/a

Relative Xpath Signature

```
▼<h1>
  ▼<a href="https://www.facebook.com/" title="Go to Facebook Home">
    ▼<i class="fb_logo img sp_-NykExE5Q03 sx_a7f409">
       <u>Facebook logo</u>
     </i>
   </a>
```

Syntax:

//tagName[@attribute='attributeValue']

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Partial Xpath Signature

//<tagName>[starts-with(@attributeName, ‘value’)]

//<tagName>[ends-with(@attributeName, ‘value’)]

//<tagName>[contains(@attributeName, ‘value’)]

//div[starts-with(@id, 'zgChart_ns_')]

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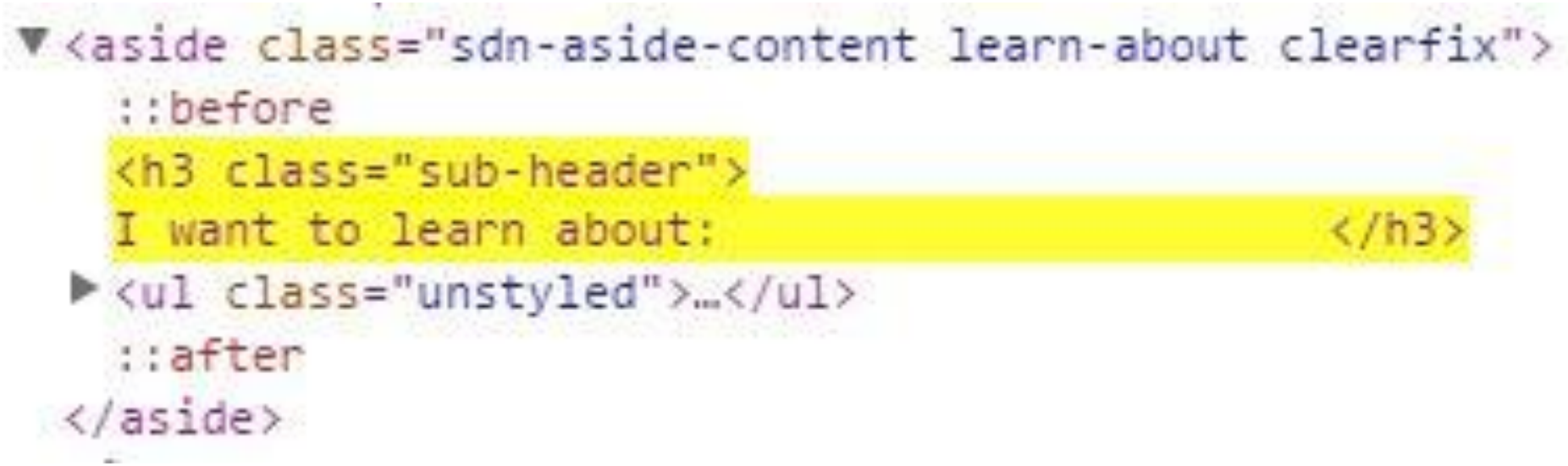
Exact text matches

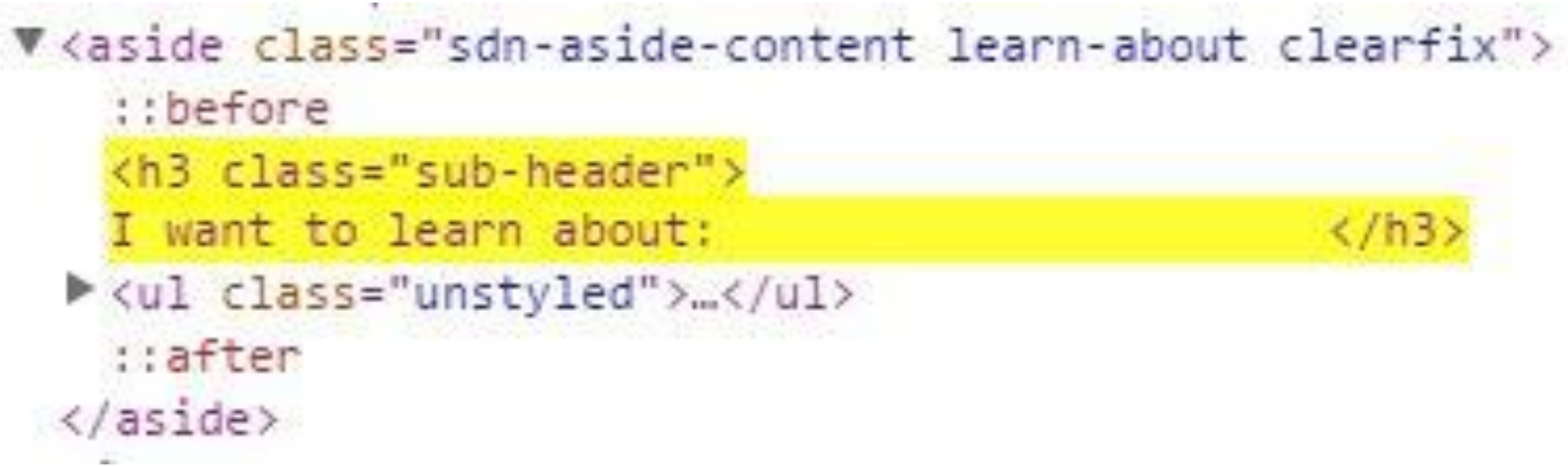
//tagName[text()='text value']



//*[text()='I want to learn about']

Partial text matches

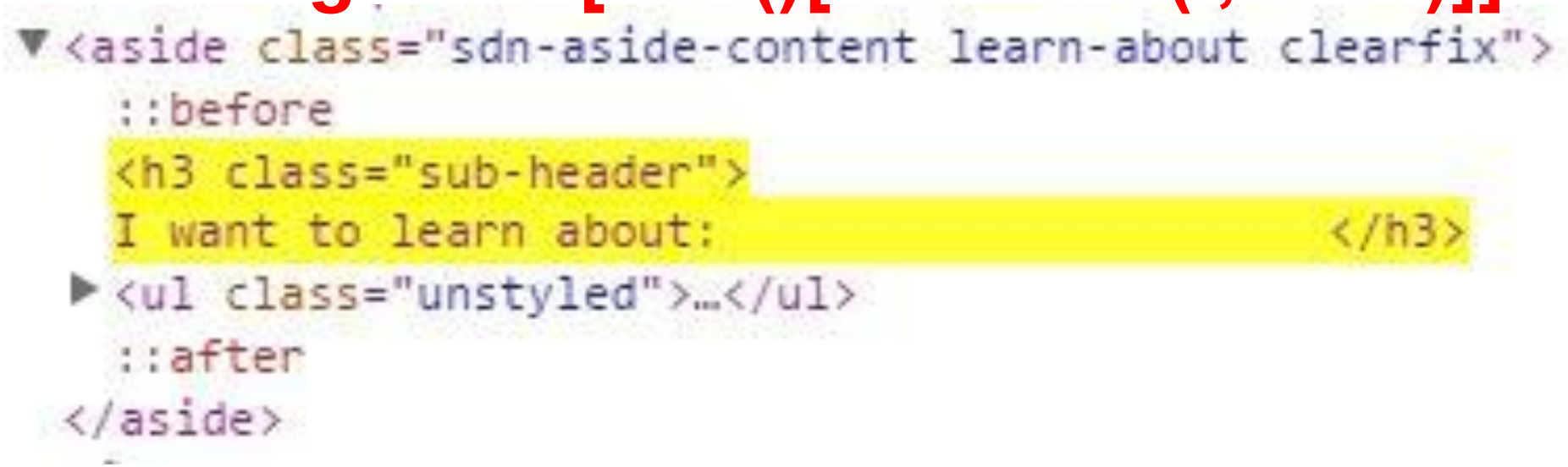
//tagName[contains(text(),‘text value’)]



//*[contains(text(),‘I want to learn’)]

Search only text nodes

//tagName[text()[contains(.,‘text')]]



//*[text()[contains(.,'want to learn')]]

Go to Parent

```
<body>
  <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p>Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p id="grid">Selenium Grid.</p>
  </a>
</body>
```

//p[@id='grid']/.. (or) //p[@id='grid']/parent::*

Following

```
<body>
  <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

//p[@id='rc']/following::button

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Following Sibling

```
<body>
  <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

//p[@id='rc']/following-sibling::p[2]

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Always Ahead

Preceding

```
<body>
  <h1>Automation Testing</h1>
  <input type="radio">
  <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p id="rc">Selenium RC.</p>
    <p>Selenium WebDriver.</p>
    <p>Selenium Grid.</p>
  </a>
  <button>Click Me</button>
</body>
```

//p[@id='rc']/preceding::input[1]

Preceding Sibling

```
<body>
    <h1>Automation Testing</h1>
    <input type="radio">
    <a title="Selenium Components">
        <p>Selenium IDE.</p>
        <p id="rc">Selenium RC.</p>
        <p>Selenium WebDriver.</p>
        <p>Selenium Grid.</p>
    </a>
    <button>Click Me</button>
</body>
```

//p[@id='rc']/preceding-sibling::p

Select from list of same locator

```
<body>
  <h1>Automation Testing</h1>
  <input type="radio">
  <a title="Selenium Components">
    <p>Selenium IDE.</p>
    <p class="sc">Selenium RC.</p>
    <p class="sc">Selenium WebDriver.</p>
    <p class="sc">Selenium Grid.</p>
  </a>
</body>
```

(//p[@class='sc'])[2]