id ✓
name ✓
link Text ✓
partial Link Text ✓
x path
}
css Selector
[tag Name
class Name]

tag Names → 16 → 0 – 15

Find Element → single

Find Elements – multiple tags

Class Name →

Navigation Methods → Assignment

XPath Locator :-

HyperText
HTML
$\downarrow$
tags

Predefined $\nearrow$
$\downarrow$
Webpage creation

XTensible MarkupLoy
XML
$\downarrow$
Tags
$\downarrow$
userdefined
$\downarrow$
Data Storage

X path → Absolute path → start from root

XML

X path → Relative path → Specific to element

Absolute path
/html/body/div[1]/div[1]/div[1]/div/div/div/div[2]/div/div[1]/form/div[1]/div[1]/input

//*[@id="email"] → Relative path

Relative Path :-

$\uparrow$TN $\rightarrow$A.Value $\rightarrow$A.Value

< Input type = 'text' name = 'username' >

Syntax :- $\downarrow$ A $\downarrow$ A

class = 'abc   def'

#1

// tagName [@attr_name = 'attrval']

//input [@class = 'abc   def']
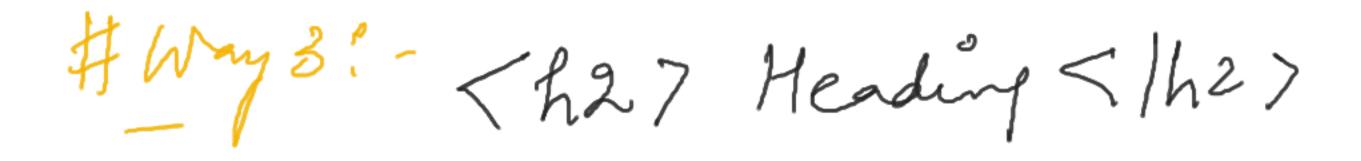
// input [@type = 'text']

//input [@name = 'username']

way 2 :

< input name = 'user name' class =

'input text abcd' >

↑ A   ↑ A ✓   ↑ A

↓ TN

get the
→ value of attribute partially

A ✓

//input[contains(@class, 'inputtext')]

//input[contains (@attr-name, ' partialvalue')]

//input[contains (@class, ' inputtext')]

Way 3 : - <h2> Heading </h2>

<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number">

 Meta © 2022 → paired tag → Starting & Closing tags

<h2 class="_8eso">Facebook helps you connect and share with the people in your life.</h2>

↳ Content

 Meta © 2022

↳ exact as it is use

Syntax:-

// tagName [text ( ) = ' exact value/content b/w two tags]

Eg. // span [text() = ' Meta © 2022 ']