

# mukesh cy-3

xpath and css options-

```
15
16 //tagname[contains(@attribute,'value')]
17
18 //input[contains(@name,'email')]
19 //a[contains(@href,'sign')]
20 //img[contains(@src,'ineuron.png')]
21 //div[contains(@class,'xyz')]
22 //select[contains(@id,'xyz')]
23
```

```
23
24
25 //tagname[text()='text which you want to search']
26
27 //a[text()='New user? Signup']
28 //a[normalize-space()='New user? Signup']
29 //button[text()='Sign in']
30 //button[text()='Sign out']
31
```

```
37
38
39 //tagname[contains(text(),'text which you want to search')]
40
41 //a[contains(text(),'New user? Signup')]
42 //a[contains(text(),'New user')]
43 //a[contains(text(),'New')]
44
```

no ends with in xpath

```
37
38
39 //tagname[contains(text(),'text which you want to search')]
40
41 //a[contains(text(),'New user? Signup')]
42 //a[contains(text(),'New user')]
43 //a[contains(text(),'New')]
44
45
46
```

```

49
50
51 //relative/abs
52
53 //div[@class='social-btns']/a[1]
54 //div[@class='social-btns']/a[2]
55 //div[@class='social-btns']/a[3]
56 //div[@class='social-btns']/a[4]
57
58
59 NR
60 (//div[@class='social-btns']/a)[1]
61 (//div[@class='social-btns']/a)[2]
62
63
64
65

```

svg tags not handled by xpath.

here get all the locators where there is href element.

```

66
67 //div[contains(@class,'social-links')]/div//a[@href]
68
69
70

```

```

66
67 //div[contains(@class,'social-links')]/div//a[@href]
68 //div[contains(@class,'followus')]/a[@href]
69
70
71 (//div[@class='DayPicker-Month'])[1]//div[@class='DayPicker-Week']//div[@class='dateInnerCell']/p[@class]
72
73 (//div[@class='DayPicker-Month'])[1]//p[text()='30']
74
75 (//div[@class='DayPicker-Month'])[1]//p[text()='30']
76

```

selenium practice website for calendar-

```

79
80 //table[contains(@class,'calendar')]/a
81
82 //table[contains(@class,'calendar')]/tr//td/a
83
84 //table[contains(@class,'calendar')]/a
85

```

```

85
86 //table[contains(@class, 'calendar')]/tbody/tr/td/a
87

```

in css we cannot traverse using axes. the interview question for the webtable. only xpath can be used.

orange hrm employee screen-

```

93
94 XPath Axes
95 //XPath//following::tagname[@attr='value']
96
97
98 //div[text()='Jasmine.Morgan']//following::a
99 //div[text()='Jasmine.Morgan']//following::img
100 //div[text()='Jasmine.Morgan']//following::input
101 //div[text()='Jasmine.Morgan']//following::div
102 //div[text()='Jasmine.Morgan']//following::*
103

```

```

104 //div[text()='Jasmine.Morgan']//following::div[7]//button[1]
105 //div[text()='Jasmine.Morgan']//following::div[7]//button[2]
106
107 //div[text()='Jasmine.Morgan']//following::button[2]
108
109 //div[text()='Nina.Patel']//following::button[2]
110
111
112
113 //div[text()='Jasmine.Morgan']//parent::div//following-sibling::div
114

```

```

//div[text()='Jasmine.Morgan']//preceding::*

```

```

115 //div[text()='Jasmine.Morgan']//preceding::input[1]
116 //div[text()='Jasmine.Morgan']//preceding::input[2]
117

```

for xpath plugin required-

npm install -D cypress-xpath

add this in support - e2e js file -

require('cypress-xpath')

css selector-

```
120
121 CSS Selector
122
123   . - class
124   # - id
125   * - contains
126   ^ - starts-with
127   $ - ends-with
128
129 single attribute
130   tagname[att="value"]
131
```

comma means or, else and-

```
131
132 multiple
133   tagname[att="value"][att2="value"]
134   tagname[att="value"],[att2="value"]
135
136 #login - using id
137 .login - using class
138
```

```
139
140 contains
141   tagname[attr*='value']
142
143 Starts
144   tagname[attr^='value']
145
146 Ends
147   tagname[attr$='value']
148
```

```

128
129 single attribute
130     tagname[att="value"]
131     input[name='email1']
132     input[placeholder='Password']
133     button
134     button[type='submit']
135

```

input[id='login']

```

147     input[name*='email']
148     input[placeholder*='Pass']
149

```

```

152     input[name^='email']
153

```

```

156     input[name$='email']
157

```

```

121 CSS Selector
122
123     . - class
124     # - id
125     * - contains
126     ^ - starts-with
127     $ - ends-with
128     > or space if you want child elements
129

```

```

159
160 Child elements
161     .social-btns a
162     .social-btns>a
163

```

```
164  
165 .social-btns a:nth-child(1)|  
166
```

```
166  
167 .social-btns a:nth-of-type(2)  
168
```

no text function.

no backward traversal.

```
1 //
2 describe('login test', () => {
3
4     it('test valid login', () => {
5         cy.visit("https://practicetestautomation.com/practice-test-login/")
6
7         //login in
8         //xpath requires plugin
9         cy.get("#username").type("student")
10        cy.get("#password").type("Password123")
11        cy.get('#submit').click()
12
13        //check if log out button is present
14        cy.get('.wp-block-button__link').should("be.visible")
15    });
16
17    //with timeout
18    it.only('test valid login with timeout', () => {
19        cy.visit("https://practicetestautomation.com/practice-test-login/")
20
21        //login in
22        //xpath requires plugin
23        cy.get("#username").type("student")
24        cy.get("#password").type("Password123", {timeout:100000})
25        cy.get('#submit').click()
26
27        //check if log out button is present
28        cy.get('.wp-block-button__link').should("be.visible")
29    });
30
31 });
```

```
1 //
2 describe('login test', () => {
3
4     it('test valid login', () => {
5         cy.visit("https://practicetestautomation.com/practice-test-login/")
6
7         //using xpath
8         cy.xpath("//input[@id='username']").type("student")
9
10        cy.xpath("//input[@id='password']").type("Password123")
11
12    });
13 });
```

codesnap.dev

```
1 //
2 describe('login test', () => {
3
4     it('test valid login', () => {
5         cy.visit("https://practicetestautomation.com/practice-test-login/")
6
7         //we are ensuring that what we are typing is correctly entered.
8         cy.xpath("//input[@id='username']").type("student").should("have.value", "student" )
9
10        cy.xpath("//input[@id='password']").type("Password123")
11
12        cy.xpath("//button[@id='submit']").should('be.enabled').click()
13
14        //click logout
15        cy.get('.wp-block-button__link').click();
16
17        //check if login text is visible
18        cy.get('h2').should("be.visible")
19
20    });
21 });
```

codesnap.dev