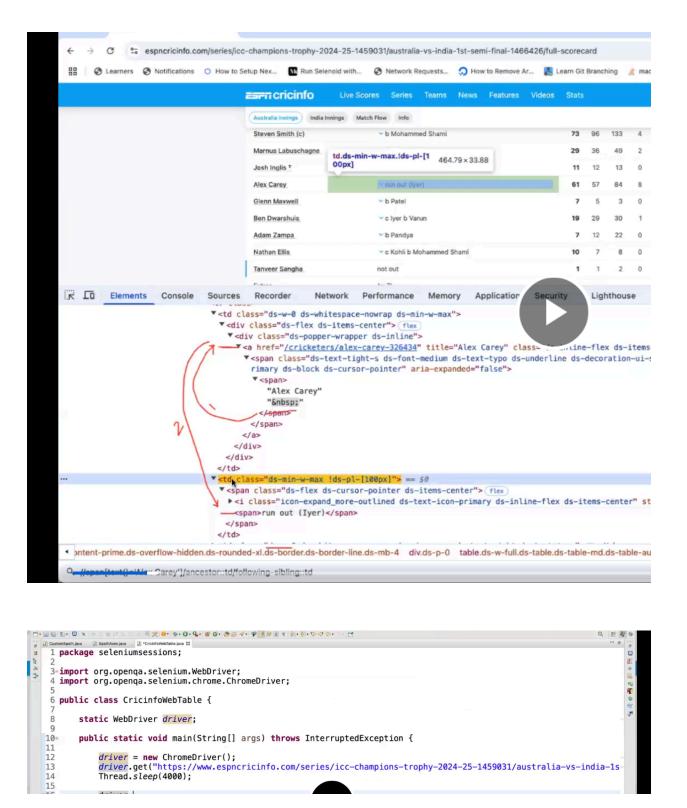
Cric info website-

Get text method-

If we apply get text on **td** and the text is not present, then it will get it from the child.

If the parent has the text and child also has the text, then get it from both of them. The child can be at any layer under the parent.

Capture the person who was responsible for the batsman getting out-



Locator for the person who made the batsman out-

```
String wktTakerName = driver.findElement(By.xpath("//span[text()='Alex Carey']/ancestor::td/following-sibling::td")).getText();

System.out.println([wktTakerName);

Console 
Problems 
cterminated> CricinfoWebTable [Java
```

Create utility-

```
public static void getWktTakerName|(String playerName) {
String wktTakerName = driver.findElement(By.xpath("//span[te:t()= lay rName+"']/ancestor::td/following-sibling::td")).getText();
System.out.println(wktTakerName);
}
```

More clearer line 22-

Calling utility-

From both the batting tables of australia and india the values are returned because the locators are same for both tables.

Alex and glen from first table, virat from second table.

```
□ Console ⋈ Problems @ Javadoc <a href="terminated">Javadoc</a> <a href="terminated">terminated</a> CricinfoWebTable [Java Applicated of the Trun out (Iyer)</a> <a href="terminated">b Patel</a> <a href="terminated">T</a> <a href="termin
```

Capture everything to the right of virat from his score-

Added return statement-

Utility for multiple elements-

Call multiple elements utility-

Note-

It will pick values from both table if the player is batsman as well as bowler. Axar batted for india and took wickets also, so returning from both tables.

```
c Dwarsnuls b Zampa
   6
nte 84
   98
   135
   5
   85.71
   [84, 98, 135, 5, 0, 85.71]
   16
   8
   1
   43
   1
i" 5.37
")
   25
   3
   2
   0
   0
pli 27
mer 30
   27
   1
St 90.00
   [8, 1, 43, 1, 5.37, 25, 3, 2, 0, 0, 27, 30, 27, 1, 1, 90.00]
```

Performance issues-

Naveen website.

Email field.

Star tag name, has performance issues as all elements to be checked one by one.

Non star will only check for tags with name as input.

Css selector by id-

```
1 package seleniumsessions;
3 import org.openga.selenium.By;
 5 public class CustomCSSSelectors {
7⊛
      public static void main(String[] args) {
 8
 9
         //1. id: #id or tag#id
         //2. class: .class or tag.class
10
11
12
         11
                #input-email
13
         11
                input#input-email
14
```

By classname-

Combine two css selectors-Allowed.

```
//3. tag#id.class
//input#input-email.form-con.rol

//input#input-email.form-con.rol

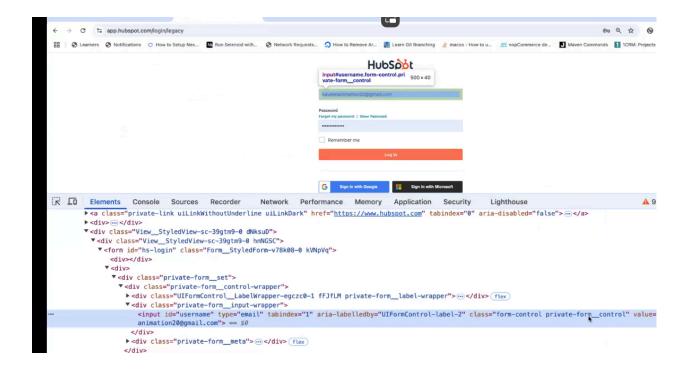
//4. tag.class#id
// input.form-control#input-email
```

Multiple classes-

Hubspot.

Username inspect.

Multiple classes - known as cascaded classes.36.00



For email address-Not necessary to give all names if one class identifies element uniquely.

```
//5. .c1.c2.c3.c4...cn
// .form-control.private-form_control
// .form-control.private-form_control
// input.form-control.private-form_control
// input.form-control.private-button-primary.private-button-default.private-button-block.pri
```

Line 31 for login button not clear so pasting it again-

Combine hash and class-And we can write in any sequence.

Any attribute can be used this way-There is no special case given to them like id or classname. 43.00

```
35
36
           //other attributes:
           // htmltag[attr='value']
37
           // input[name='email'] -- css
38
           //input[@name='email'] -- xpath
39
40
           // input[id='input-email']
41
           // input[placeholder='E-Mail Address']
42
43
44
           //
45
```

Combine multiple attributes- 46.00

For one element if we plan to use multiple attributes any sequence can be followed.

Email address of naveen website-

We can put any number of attributes.

```
// input[ptacenotuel = E-mail Address]

// htmltag[attr1='value'][attr2='value']

// input[name='email'][placeholder='E-Mail Address']

// input[name='email'][placeholder='E-Mail Address'][id='input-email']

// input[name='email'][placeholder='E-Mail Address']#input-email.form-control

// input#input-email.form-control[name='email'][placeholder='E-Mail Address']
```

Contains-

For email.

Naveen website.

```
//contains:
// tag[attr *= 'value']
// input[placeholder *= 'Address']
// input[placeholder *= 'Address']#input-email
// input[placeholder *= 'Address']#input-email[name *= 'email']
```

Starts with-

Email, naveen website.

```
56
57    //starts-with:
58    // tag[attr ^= 'value']
59    // input[placeholder ^= 'E-Mail']
```

Ends with-

Present in css.

Not xpath.

Email, naveen website.

```
//ends-with:
// tag[attr $= 'value']
// input[placeholder $= 'Address']
```

Text -

Not there in css.

```
65 //text in css: NA
```

Parent to child-

Direct child.

Use > 59.00

Capture all links from the right hand side section. Naveen website.

```
//parent to child:
//direct child: >
//parent tag > child tag
// div.list-group > a
```

To get direct and indirect child-

Naveen website, give all direct and indirect inputs in register page.

If no direct child then we get zero.

```
//
//direct+indirect: space
//parenttag childtag

// div#content input -- 11 (direct + indirect child)
// div#content > input -- 0 (direct child)
```

Child to parent - Not possible in css.

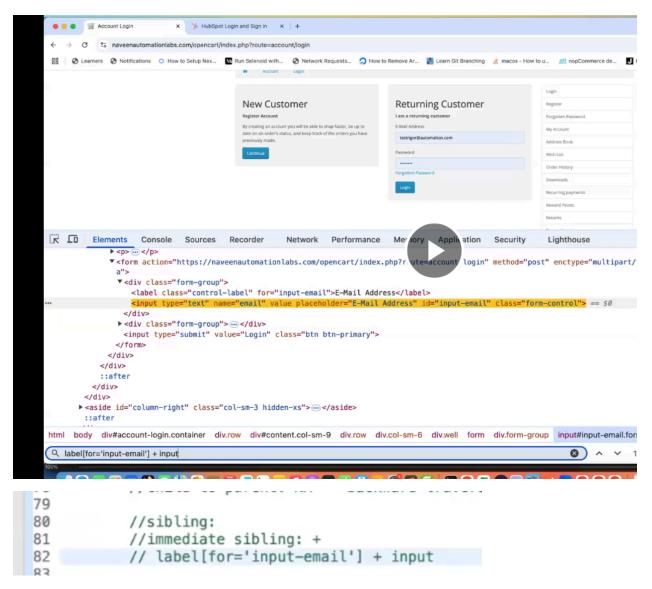
```
77
78 //child to parent: NA -- backward traversing is not supported with CSS
79
```

Siblings-

Only forward allowed. No concept of backward.

Naveen website.

Login.



Gets only immediate following sibling.

```
79
80    //sibling:
81    //immediate sibling: +
82    // label[for='input-email'] + input
83    // option[value='Algeria'] + option
```

Get all following siblings-Orange hrm country dropdown.

