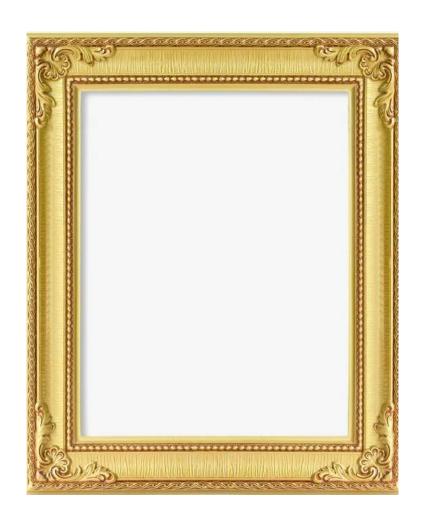
# Selenium WebDriver Training

Target Locators
Frame



# Frames



Pictures are **embedded** inside the frame



## Frames



Important documents/jewels are **embedded** inside the frame



## The Golden Circle

What is a Frame?

Frames are like another DOM embeded inside the DOM

Why do we need to handle it?

To act on any element inside the frame

How to handle iframe?

Transfer the driver focus to frame

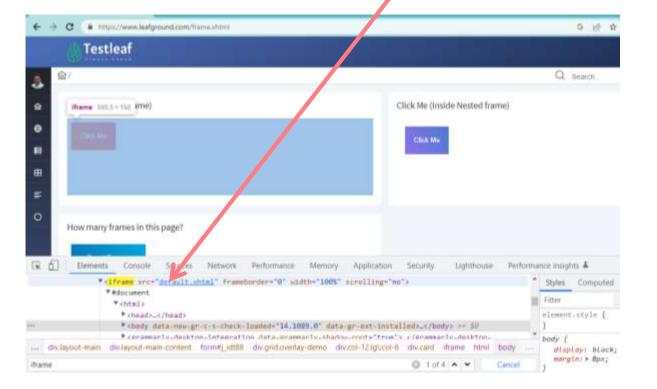


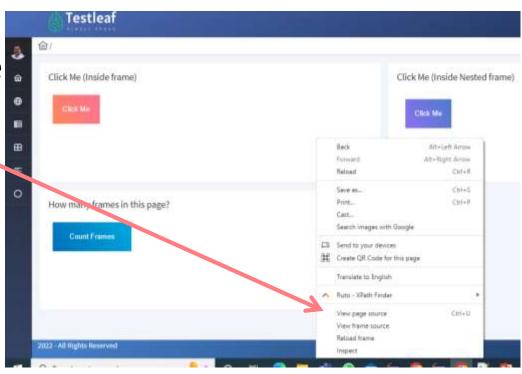
# How to identify iframe...

#### Iframes->inline frame are identified in two ways

➤ By right click on Webpage → frame source

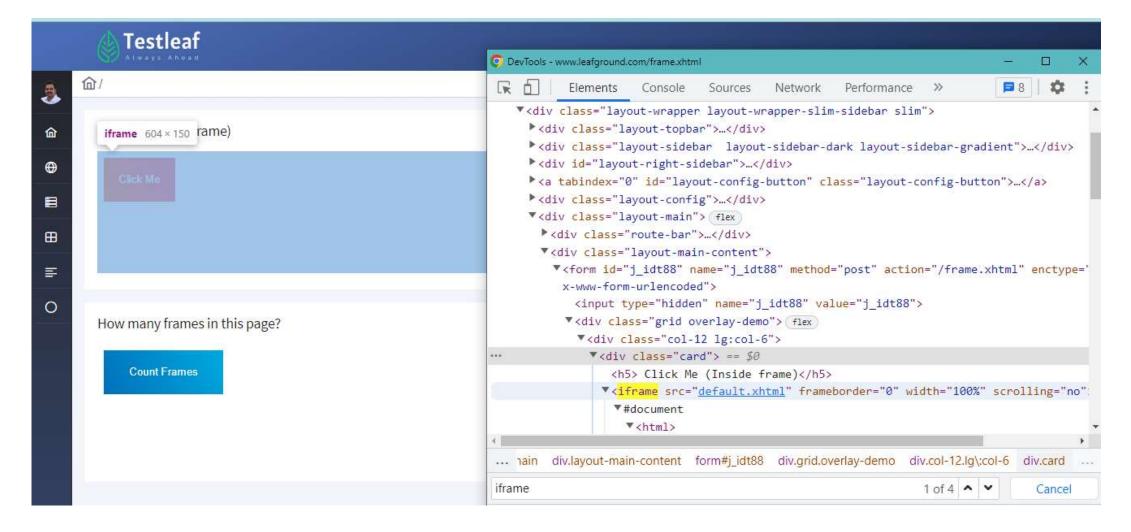
By searching //frame in DOM







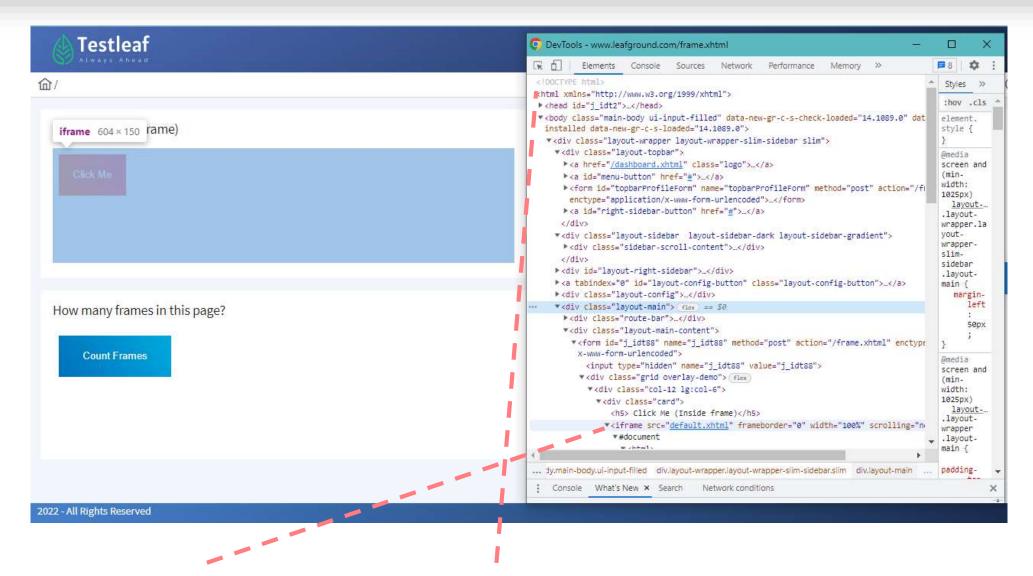
## Structure of frame...



Contd..



## Structure of iframe...



HTML inside the other HTML



## How to Handle it?

To handle alert

✓ Transfer the driver focus into frame

syntax:

driver.switchTo().frame(args);

**Note:** Return type of it is WebDriver interface and the implementation class is RemoteWebDriver



# Ways to SwitchTo frame

#### Using Index

- driver.switchTo().frame(int index)
- Index starts with 0

#### Using id/name attribute

driver.switchTo().frame(String id/Attribute);

#### Using WebElement

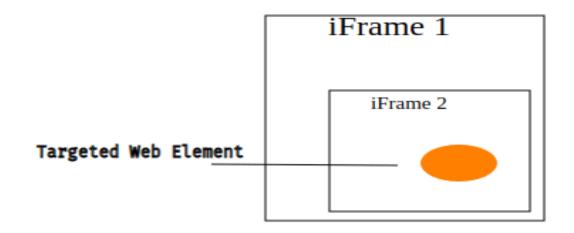
driver.switchTo().frame(driver.findElement(WebElement)



## **Nested Frames**



#### Parent Web Page

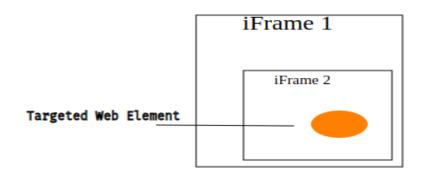


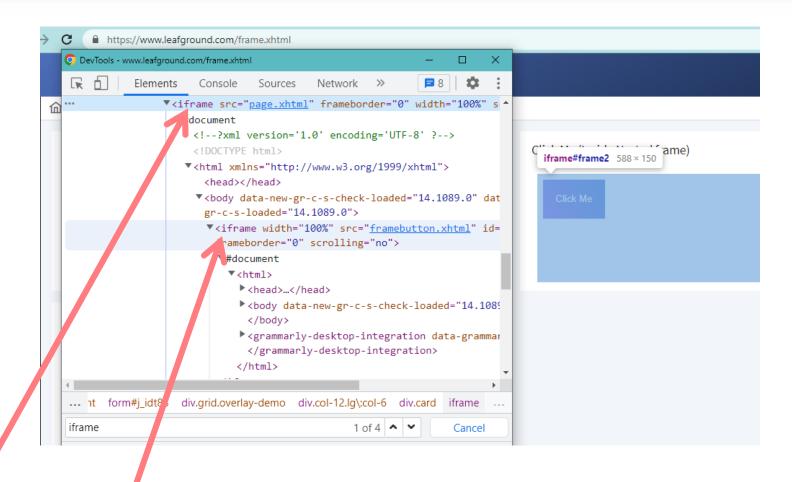
Frame inside another frame



#### **Nested Frames**

Parent Web Page





Frame inside another frame



#### How to handle nested frame

- -possible to switch between the frames using index, String id/name or WebElement
- -take the driver focus to the main content of Webpage driver.switchTo().defaultContent();

```
WebDriver frame = driver.switchTo().frame(0);
WebElement firframe = driver.findElement(By.id("Click"));
firframe.click();
System.out.println(firframe.getText());
//to return to the main content of the page
driver.switchTo().defaultContent();
```

-take the driver focus to the immediate parent frame driver.switchTo(). parentFrame();



#### Classroom

```
Launch the url:
https://www.w3schools.com/js/tryit.asp?file
name=tryjs_confirm
Click Try It Button
Click OK/Cancel in the alert
Confirm the action is performed correctly by
verifying the text!!
*Hint*
Switch to the frame
Then click Try It with xpath
Switch to the alert and Enter your name in
alert box
Then perform accept / dismiss
Get the text using id
Verify the text based on the action
```



# Summary

- Iframe-> inline frame → dom inside other dom
- To handled by switching the driver control into the frame
- 3 ways -> by index, by frame id/name, by frame as web element



# Mind Map

