36. **How to handle frames in Selenium?**
- Frames used to embed a html page into another
- Steps
  - Locate the iframe
  - Switch to another iframe with driver.switchTo().frame();
    .frame() → takes string, Integer, webElement, name or id directly as parameter

```
driver.switchTo().frame(webElement);
driver.switchTo().frame();
```

- Now you are in the 2nd frame, if you want to find an element outside of the 2nd frame (that you're currently on) throws NosuchElementException
- If you need to switch back to previous frame
  - driver.switchTo().parentFrame() → Goes one level up
  - driver.switchTo().defaultcontent() → Goes to the very top
- Can switch using count
  - driver.switchTo(0) → Counts anything that is not the default frame

These methods might give you different results based on what browser you are using

37. **How you handle browser pop ups?**
- **void dismiss()** → clicks on the "Cancel" button as soon as the pop-up window appears.
- **void accept()** → clicks on the "Ok" button as soon as the pop-up window appears.
- **String getText()** → returns the text displayed on the alert box.
- **void sendKeys(String stringToSend)** → enters the specified string pattern into the alert box.

38. **How you handle windows/ OS pop ups?**
- Selenium doesn't support windows-based apps, it is an automation testing tool that supports only web application testing.
- We could handle windows-based popups in Selenium using some third-party tools such as AutoIT, Robot class
- **driver.getWindowHandle();** This will handle the current window that uniquely identifies it within this driver instance.
- **driver.getWindowHandles();** To handle all opened windows

39. **How to handle Headless browser**
- Headless browser: browser that does not open, it runs as a background service / program.
- Example is htmlunitdriver from selenium
  - WebDriver = new htmlunitdriver()
  - Not very stable
- Phantonjsbrowser
  - More stable
  - browser = new phantomjsbrowser()

40. **findElement vs findElements?**
- FindElement > this method returns first WebElement !
  - gives Exception if the element not found
- FindElements > returns List <WebElement>;
  - does not give Exception if the element not found as a result list has null values