Selenium Questions🡪

-------------------------------------------------------------------------------------------------

**// Get all options in the dropdown**

Select select=new Select(Webelement);

List<WebElement> allOptions = select.getOptions();

WebElement firstSelectedOption = select.getFirstSelectedOption();

List<WebElement> allSelectedOptions = select.getAllSelectedOptions();

select.selectByValue("option1");

select.selectByIndex(0)

select.selectByVisibleText("Option 3");

Select singleSelect = new Select(singleDropdownElement);

if (singleSelect.isMultiple()) {

System.out.println("The dropdown with ID 'singleDropdown' is a multi-select dropdown.");

} else {

System.out.println("The dropdown with ID 'singleDropdown' is NOT a multi-select dropdown”);

}

driver.switchTo().alert().accept();

driver.switchTo().alert().dismiss();

**// Locate the iframe element**

WebElement iframeElement = driver.findElement(By.cssSelector("iframe[id='iframe1']")); // Wait for the frame to be available and switch to it using the WebElement WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10)); wait.until(ExpectedConditions.frameToBeAvailableAndSwitchToIt(iframeElement));

Driver.switchTo().frame(idof frame or name of frame of iframe webelemt);

driver.switchTo().parentFrame()

driver.switchTo().defaultContent()

**Q:check if elemnt is present**

if (!supportLinks.isEmpty())

if (supportLinks.isDisplayed())

if (supportLinks.isEnable())

// Cast WebDriver to JavascriptExecutor

JavascriptExecutor js = (JavascriptExecutor) driver;

WebElement targetElement1 = wait.until(ExpectedConditions.presenceOfElementLocated(By.id("National\_symbols")));

js.executeScript("arguments[0].scrollIntoView(true);", targetElement1); //scroll to elemnt

js.executeScript("arguments[0],click();", targetElement1);

js.executeScript("window.scrollBy(0, 500);"); //scroll to elemnt moving vertical bar

**// Create an Actions object**

Actions actions = new Actions(driver);

// Move to the element (this will scroll it into view if it's off-screen)

actions.moveToElement(targetElement).perform();

Selenium WebDriver Basic Questions  
  
1. What is Selenium? explain selenium architecture   
2. Difference between Selenium 3 and Selenium 4?  
3. What are the different types of locators in Selenium?  
4. Difference between 'findElement()` and `findElements()`?  
5. How do you handle dropdowns in Selenium?  
6. How to handle multiple windows in Selenium?  
7. What is the difference between 'get()` and `navigate().to()`?  
18. How do you handle alerts and pop-ups?  
9. How do you handle frames and iframes?  
10. What is the difference between 'driver.quit()` and `driver.close()`?  
  
Selenium WebDriver Advanced Questions  
Q Difference between throws and throw keyword  
11. What are the different types of waits in Selenium?  
12. Implicit vs Explicit Wait - What's the difference?  
13. What is Fluent Wait, and when do you use it?  
14. How do you handle 'StaleElement ReferenceException'?  
15. What is JavaScriptExecutor? How do you use it?  
16. How do you scroll a webpage using Selenium?  
17. How do you take a screenshot in Selenium?  
18. How do you handle file uploads in Selenium?  
19. How do you validate broken links in Selenium?  
20. How do you capture network logs in Selenium?  
  
Selenium Framework Questions for Best Practices  
  
21. What is the Page Object Model (POM)?  
22. What is Page Factory? How is it different from POM?  
24. What are Selenium Grid and its advantages?  
25. How do you handle dynamic elements in Selenium?  
25. How do you handle dynamic elements in Selenium?  
26. What is the role of 'Desired capabilities in Selenium?  
27. What are the different types of Assertions used in Selenium?  
28. What are the limitations of Selenium WebDriver?  
29. How do you integrate Selenium with TestNG  
30. What are TestNG Listeners, and how do you implement them?  
  
Selenium Execution & Debugging questions  
  
31. How do you run Selenium tests in headless mode?  
32. How do you handle authentication pop-ups in Selenium?  
33. How to execute parallel tests in Selenium?  
34. How do you handle CAPTCHA in Selenium?  
35. What are the different ways to maximize a browser window in Selenium? TestNG?