**1. How to perform back,forward and refresh action in selenium?**

* driver.navigate().back()
* driver.navigate().forward()
* driver.navigate().refresh()

**2. What is the return type of findelements?**  
List of elements with similar property  
 **3. What will happen if no webelement is found for findelements?**  
  
It will return an empty list  
  
**4. What will happen if no webelement is found for findelement?**  
It will give error as :NoSuchElementException  
 **5. How to select value from dropdown in selenium?**  
  
Using select class as below  
Select technology = new Select(driver.findElement(By.xpath("//select[@id='effectTypes']")));  
technology.selectByVisibleText("Drop");  
  
**6. What are the methods provided in selenium to select from dropdown?**

* selectByVisibleText()
* selectByValue()
* selectByIndex()

**7. How to fetch text from UI in selenium?**

* gettext()
* getAttribute("propertyname")

**8. How to get current url,title and page source?**

* driver.getCurrentUrl();
* driver.getTitle();
* driver.getPageSource();

**9. How to clear text using selenium?**  
  
clear() — method is used to clear text from the text area  
driver.findElement(By.xpath(“//input[@placeholder=’Username’]”)).clear();  
  
**10. How to do Browser Initialization for all types of browser?**  
  
•    Firefox  
WebDriver driver = new FirefoxDriver();  
•    Chrome  
WebDriver driver = new ChromeDriver();  
•    Internet Explorer  
WebDriver driver = new InternetExplorerDriver();  
•    Safari Driver  
WebDriver driver = new SafariDriver();

11. **How to handle alerts and popups in selenium?**

•    driver.switchTO().alert.accept() — to accept the alert box

•    driver.switchTO().alert.dismiss() — to cancel the alert box

**12. How to retrive alert pop up message in selenium?**

•    driver.switchTO().alert.getText() — to retrieve the alert message

**13. How to send data to alert box in Selenium?**

•    driver.switchTO().alert.sendKeys(“Text”) — to send data to the alert box

**14. How to switch frames in selenium?**

•    driver.switchTo.frame(int frameNumber) — mentioning the frame index number, the Driver will switch to that specific frame  
•    driver.switchTo.frame(string frameNameOrID) — mentioning the frame element or ID, the Driver will switch to that specific frame

•    driver.switchTo.frame(WebElement frameElement) — mentioning the frame web element, the Driver will switch to that specific frame

**15. How to switch back to main window in frames?**

•    driver.switchTo().defaultContent() — Switching back to the main window

**16. How to handle multiple windows and tabs in Selenium?**  
•    getWindowHandle() — used to retrieve the handle of the current page (a unique identifier)

•    getWindowHandles() — used to retrieve a set of handles of the all the pages available

**17. How to switch between windows and tabs?**

•    driver.switchTo().window(“windowName/handle”) — switch to a window

**18. How to close the cureent browser window?**

•    driver.close() — closes the current browser window

**19. How to handle Implicit wait?**  
Used to wait for a certain amount of time before throwing an exception

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

**20. How to handle Explicit wait?**  
Used to wait until a certain condition occurs before executing the code.  
WebDriverWait wait = new WebDriverWait(driver,30);

wait.until(ExpectedConditions.presenceOfElementLocated(By.name("login")));

**21. What are the element validation methods in selenium?**

•    isEnabled() — determines if an element is enabled or not, returns a boolean.  
•    isSelected() — determines if an element is selected or not, returns a boolean.  
•    isDisplayed() — determines if an element is displayed or not, returns a boolean.  
  
**22. How to handle proxy in selenium for chrome?**  
  
ChromeOptions options = new ChromeOptions();// Create object Proxy class - Approach 1  
Proxy proxy = new Proxy();  
proxy.setHttpProxy("username:password.myhttpproxy:3337");  
options.setCapability("proxy", proxy);  
ChromeDriver driver = new ChromeDriver(options);  
  
**23. How to set the size of the window in selenium?**  
  
driver.manage().window().setSize(new Dimension(1024, 768));  
  
**24. How to fetch the size of window in Selenium?**  
  
Dimension size = driver.manage().window().getSize();  
int width = size.getWidth();  
int height = size.getHeight();  
 **25. How to maximize the window in selenium?**  
  
driver.manage().window().maximize();  
  
**26. How to drag and drop from source to destination?**  
  
      WebElement source = driver.findElement(By.xpath("//div[@id='draggable']"));  
      WebElement destination = driver.findElement(By.xpath("//div[@id='droppable']"));  
      Actions builder = new Actions(driver);  
      builder.dragAndDrop(source,destination);  
       
**27. How to perform keyboard actions in selenium?**  
  
By using Robot class as below:  
Robot robo = new Robot();  
robo.keyPress(KeyEvent.VK\_ENTER);  
  
**28. How to get all cookies and with name of the cookie?**  
  
driver.manage().getCookies();  
driver.manage().getCookieNamed("APISID");  
  
**29. How to delete all cookies and with name of the cookie?**  
  
driver.manage().deleteCookieNamed("APISID");  
driver.manage().deleteAllCookies();  
  
**30. How to add a cookie?**  
  
 Cookie cookie1 = new Cookie("test2", "cookie2");

 driver.manage().addCookie(cookie1);

**31. How to rerun failed test cases in Selenium using TestNG?**  
[Click here to answer](https://automationreinvented.blogspot.com/2020/08/how-to-rerun-only-failed-test-cases.html)

**32. What approach to take if clear() method is not working on a textbox?**

sendKeys(Keys.chord(Keys.CONTROL,"a",Keys.DELETE));

**33. How to run test case in parallel for multiple browsers?**

<suite name="Automation Test Suite " parallel="tests" thread-count="2">  
    <test name="Automation Test CasesChrome">  
        <classes>  
              <class name="com.task.automation.testtwo.testone"/>  
        </classes>  
   </test>  
   <test name="Automation Test Casesfirefox">  
        <classes>  
              <class name="com.task.automation.testtwo.testfirefox"/>  
        </classes>  
   </test>  
</suite>

**34. Create a common method for Explicit wait to check element is visible or not?**  
public void waitForElementVisible(WebElement element, long timeout) {  
  
        try {  
            new WebDriverWait(driver, timeout).until(ExpectedConditions.visibilityOf(element));  
        } catch (ElementNotVisibleException e) {  
            Reporter.log(element.toString() + "is not visible");  
            Reporter.log(e.getStackTrace().toString());  
        }  
  
    }  
[**Top API Interview Question 11-20**](https://automationreinvented.blogspot.com/2020/06/top-asked-interview-question-with-code.html)

**35.  How to prepare automation test estimation ?**

[Click here for answer](https://automationreinvented.blogspot.com/2018/09/what-is-automation-test-estimation.html)

**36.  How to launch batch file from Selenium WebDriver?**

 Process batch = Runtime.getRuntime.exec("path of the batch file");

**37. How to run selenium test from command line?**

java -classpath ".;selenium-server-standalone-2.33.0.jar" SampleClass

**38. What is the name of the super interface of the Webdriver?**

Ans: SearchContext.

**39. Explain some of the strategy you have followed while using xpath?**

[**Click here for answer**](https://automationreinvented.blogspot.com/2020/06/top-interview-questions-on-xpath-for-ui.html)

**40. How to execute the testng test suite from the command line?**

Ans: java -cp “C:\AutomationReinvented\testng \lib\\*;C:\AutomationReinvented\testng\bin” org.testng.TestNG testng.xml

**41. What’s the difference between soft and hard asserts?**

[Click here for answer with example](https://automationreinvented.blogspot.com/2020/11/difference-between-soft-assert-and-hard.html)

**42. How would you upload a file via Selenium Webdriver?**[**Know About Kubernetes**](https://automationreinvented.blogspot.com/2020/11/top-interview-question-on-kubernetes.html)

Let we have a button as "Choose File", so first need to identify this element as below

@FindBy(xpath="//span[contains(text(),'Activate')]")  
    public WebElement chooseFile;

Use sendkeys with the file path that you want to upload:  
  
chooseFile.sendKeys("C:\\filetoupload")

**43. What are the parameters do you have to meet for Selenium to pass a test?**

There are four conditions (parameters) for Selenium to pass a test,  as below:

URL, host, browser and port number.

[**Top API Interview Question 11-20**](https://automationreinvented.blogspot.com/2020/06/top-asked-interview-question-with-code.html)

**44. Have you worked on invocation count/thread count or any advanced TestNG annotation, if Yes then can you explain?**  
[Click here for answer](https://automationreinvented.blogspot.com/2020/03/top-asked-advanced-testng-annotations.html)

**45.  Tell me two things that you can't automate using Selenium?**

Captcha and Barcodes   **([Explore DevOps](https://automationreinvented.blogspot.com/search/label/Devops))**

**46.  Explain some of the keywords that has been used in your project for BDD approach?**

[Click here for answer with example](https://automationreinvented.blogspot.com/2020/02/top-17-interview-questions-on.html)

**47. What will happen if you run this command. driver.get(“www.google.com”) ?**

As the given URL doesn’t contain http or https prefix so it will throw an exception.  
  
So, it is required to pass HTTP or HTTPS protocol within driver.get() method.  
  
driver.get(“https://www.google.com”);

[**Learn To Design FRAMEWORK From Scratch**](https://automationreinvented.blogspot.com/search/label/FrameworkDesign)

**48. What is Recovery Scenario in Selenium WebDriver?**

Recovery Scenarios is done by using “Try Catch” block within Selenium WebDriver :.  
  
try{  
driver.get(“https://www.google.com“);  
}  
catch (Exception e){

e.printStackTrace();

 }

[**Top Docker Commands**](https://automationreinvented.blogspot.com/2020/02/top-18-docker-commands-for-aytomation.html)

**49. Which Source code management tool you have used and tell me some of the basic commands that you have used?**

[Click here for answer](https://automationreinvented.blogspot.com/2019/12/top-11-git-interview-question-for.html)

**50. Have you worked on database side for fetching data to validate in selenium tests, if Yes then can you tell me some of the basic queries that you have used in day to day work?**

[Click here for answer with 11 queries](https://automationreinvented.blogspot.com/2020/02/top-11-sql-query-for.html)

**\*\*What are two classes that you use for Mouse and Keybord?\*\***