**Selenium Aptitude Questions**

1. **What is the interface available in Selenium?**

a) Select b) WebDriverWait c) WebDriver d) Selenium

**Ans :** c

2. **Select the option which is not a WebElement Method?**

a) getText() b) getTagName() c) size() d) sendKeys()

**Ans :** c

**3. Identify the option which is not a JAVA class in Selenium.**

a) WebDriverWait b) FirefoxDriver c) WebDriver d) ExpectedConditions

**Ans:** c

**4. Identify the Xpath for Selecting the value from the below html table.**

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a) //td[text()=Let’s Kode It]/following-sibling::td[2]

b) //td[text()=Let’s Kode It]/following::td[2]

c) //td[text()=Let’s Kode It]/preceding::td[2]

d) (“(//td[text()=\”Let’s Kode It\”])[1]/following-sibling::td[2]”)

**Ans :** d

**5. What are the navigation methods listed below.**

a) refresh () b) back() c) forward() d) to() e) All

**Ans:** e

**6) What is the WebElement method used to get the BackGroud Color of an Element displayed in the WebPage.**

a) getCssValue(“bg-color”)

b) getCssText(“background-color”)

c) getCss(“color)

d) getCssValue(“background-color”)

**Ans :** d

**7. What is the method used to Change the Focus from an frame/iframe/window/Alert ?**

a) setFocus() b) changeFocus() c) redirectTo() d) switchTo()

**Ans :** d

**8. What is the method used in the Select Java Class to get all the Options?**

a) getAllValues() b) getVisibleValues() c) getAllOptions() d) getOptions()

**Ans :** d

**9. What are the Wait applicable in Selenium webdriver?**

a) implictlyWait b) WebDriverWait c) FluentWait d) All of the above

**Ans :** d

**10. What is the javaScript Function used to enter the text in TextBox?**

a) document.getElementById(‘what’).setValue(‘Selenium’)

b) document.getElementById(‘what’).setAttribute(‘value’,’Selenium’)

c) document.getElementById(‘what’).setText(‘Selenium’)

d) document.getElementById(‘what’).setAttribute( ‘Selenium’)

**Ans :** b

**11. What is the abstract class available in Selenium?**

a) WebDriver b) WebElement c) By d) Selenium

**Ans :** c

**12. What is return type of driver.get(String url) method in Selenium.**

a) String b) void c) null d) empty space

**Ans :** b

**13. What is the return Type of driver.getTitle() method in Selenium WebDriver.**

a) String b) Character c) void d) null

**Ans :** a

**14. What is the method used to select a value from Listbox.**

a) selectByVisibleText(String)

b) selectByValue(String)

c) selectByIndex(int)

d) All of the above

**Ans :** d

**15. What is the javascript method used to scroll to particular Element?**

a) ((JavascriptExecutor) driver).executeScript( element);

b) ((JavascriptExecutor) driver).executeScript(“arguments[0].scrollIntoView(true);”, element);

c) ((JavascriptExecutor) driver).executeScript(“arguments.scrollIntoView(true);”, element);

d) ((JavascriptExecutor) driver).executeScript(“arguments[0].scrollTo(true);”, element);

**Ans :** b

**16. What is the method used to check the WebElement is present?**

a) .isDisplayed()

b) .isVisible()

c) .isClear()

d) .isPresent()

**Ans :** a

**17. What is the method used to verify the Text present in a WebPage**

a) textToBePresent(By, String)

b) textToBePresentInElementLocated(By, String)

c) textToBePresentElementLocated(By, String)

d) textToBeElementLocated(By, String)

**Ans :** b

**18. Implicit wait time is applied to all elements in your code while Explicit waits are applied only to a single element for a specified amount of time?**

a) True b) False

**Ans :** a

**19. When should you use Selenium Grid?**

a) To support parallel execution of same tests in the same browser.

b) To support parallel execution of same/different tests in the same browser.

c) To support parallel execution of different tests in the same browser.

d) To support parallel execution of same/different tests in the different browsers.

**Ans :** d

**20. By using \_\_\_\_\_\_\_\_\_\_ function in XPath, we can extract all the elements which matches a particular text value?**

a) contains b) starts-with c) ends-with d) parameters

**Ans :** a

**21. Default timeout for implicit wait is?**

a) 30 Seconds b) 0 Second c) 15 Seconds d) 20 Seconds

**Ans :** b

**22. \_\_\_\_\_ is the commands used to retrieves the text of a html element?**

a) getText() b) getCurrentURL c) getAttributes()

**Ans :** a

**23. Which statement is used to maximise browser window?**

a) driver.manage().window().maximize();

b) driver.manage().maximize();

c) driver.maximize()

**Ans :** a

**24. \_\_\_\_\_\_\_\_\_\_\_ finds the item ending with the value passed in. This is the equivalent to the XPath ends-with?**

a) ^= b) &= c) \*= d) $=

**Ans :** d

**25. Default timeout in Selenium WebDriver is?**

a) 25 Seconds b) 30 Seconds c) 20 Seconds d) 15 Seconds

**Ans :** b

**26. How do I submit a form using Selenium?**

a) click b) doubleClick c)submit d) All Options

**Ans :** c

**27. How to select a value in a dropdown?**

a) SelectClass b) ActionClass c) SendKeys d) JavascriptMethod e) All options

**Ans :** e

**28. Is it possible to automate the captcha using Selenium?**

a) yes b) No

**Ans:** b

**29. What is the default port number used by hub in selenium?**

a) 4444 b)2222 c) 1111 d) 3333

**Ans :** a

**30. Which two commands you use to validate a button?**

a) VerifyTextPresent and assertTextPresent

b) VerifyElementPresent and assertElementPresent

c) VerifyAlertPresent and assertAlertPresent

d) VerifyAlert and assertAlert

**Ans :** c

**31. What is the difference between driver.get("url") and driver.navigate.to(“url”)?**

**Ans:**

driver.get (): To open an URL and it will wait till the whole page gets loaded

driver.navigate.get(): To navigate to an URL and It will not wait till the whole page gets loaded

**32.) When do we use findElement() and findElements()?**

**Ans:**

**findElement():** It finds the first element in the current web page that matches to the specified locator value.

**Syntax:** WebElement element =driver.findElements(By.xpath(“//div[@id=’example’]//ul//li”));

**findElements():** It finds all the elements in the current web page that matches to the specified locator value.

**Syntax:** List elementList =driver.findElements(By.xpath(“//div[@id=’example’]//ul//li”));

**33. What are the Locators available in Selenium?**

**Ans:** ID ,ClassName ,Name,TagName,LinkText ,PartialLinkText ,XPath ,CSS Selector

**34. What are the different exceptions you have faced in Selenium WebDriver?**

**Ans:**

ElementNotVisibleException

StaleElementReferenceException

WebDriverException

TimeoutException

NoAlertPresentException

NoSuchWindowException

NoSuchElementException

TimeoutException

**35. What is Object Repository in Selenium WebDriver?**

**Ans:**

Object Repository is used to store element locator values in a centralized location instead of hard coding them within the scripts. We do create a property file (.properties) to store all the element locators and these property files act as an object repository in Selenium WebDriver.

**36. What are the advantages of Page Object Model Framework?**

**Ans:**

**Code reusability –** We could achieve code reusability by writing the code once and use it in different tests.

**Code maintainability –** There is a clean separation between test code and page specific code such as locators and layout which becomes very easy to maintain code. Code changes only on Page Object Classes when a UI change occurs. It enhances test maintenance and reduces code duplication.

**Object Repository –** Each page will be defined as a java class. All the fields in the page will be defined in an interface as members. The class will then implement the interface.

**Readability –** Improves readability due to clean separation between test code and page specific code

**37. How to switch between frames in Selenium?**

**Ans:**

By using the following code, we could switch between frames.

driver.switchTo().frame();

**38. What are the annotations available in TestNG?**

**Ans:**

@BeforeTest

@AfterTest

@BeforeClass

@AfterClass

@BeforeMethod

@AfterMethod

@BeforeSuite

@AfterSuite

@BeforeGroups

@AfterGroups

@Test

**39. How to click on an element which is not visible using selenium WebDriver?**

**Ans:** We can use JavascriptExecutor to click

**40) Difference between Absolute path & Relative path?**

**Ans :** Absolute path will start with root path (html) and Relative path will from current path (//)

**Absolute xPath:** /html/body/div[3]/div[2]/div[2]/div[2]/div[2]/div[2]/div[2]/div/div[4]/div [1]/div/div[@id='main']/div[@id='Blog1']/div[1]/div[1]/div/div[1]/div/h3/a

**Relative xPath :** //h3/a[text()='Working on New Window']

**41) Write a syntax How to take the screen shots in seelnium3.0?**

**Ans :**

File scrFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

FileUtils.copyFile(scrFile, new File(filePath));

**42) What is the use of @FindBy annotation?**

**Ans :** @FindBy is used to identify element in the Page Factory approach

**43) Find Broken Links on the Web Page**

**Ans :**

Extract all URLs from <a> tags, send HTTP requests using HttpURLConnection, and check response codes. Links returning codes like 404 or 500 are broken.

**44) What is WebDriver Listener and Its Usage?**

**Ans :**

WebDriver Listeners, provided by WebDriverEventListener, allow you to monitor and log WebDriver events such as element clicks, navigation, or command execution. They help in debugging and custom logging.

**45) What is Firefox Profile?**

**Ans :**

A Firefox Profile is a collection of user-specific settings and preferences (like bookmarks, extensions, and cookies) that can be customized to configure the browser's behaviour during automation.

**46) Have You Ever Faced Any Proxy Issue? How Did You Handle It?**

**Ans :**

Yes. Proxy issues can be resolved by setting proxy configurations using Proxy class in Selenium and applying it to the WebDriver’s capabilities.

**Example:**

Proxy proxy = new Proxy();

proxy.setHttpProxy("proxyHost:port");

capabilities.setCapability(CapabilityType.PROXY, proxy);

**47) Difference Between Simple Java Project and Maven Project**

**Ans :**

**Simple Java Project:** Requires manual management of dependencies and builds.

**Maven Project:** Uses a pom.xml file to automatically manage dependencies, build lifecycle, and plugins.

**48) What Are Different Goals Present in Maven?**

**Ans :**

**clean:** Cleans the target directory.

**compile:** Compiles the source code.

**test:** Runs tests.

**package:** Packages the code into a JAR or WAR.

**install:** Installs the package to the local repository.

**deploy:** Deploys the package to a remote repository.

**49) Can You Please Explain Maven Life Cycle?**

**Ans :**

**The Maven lifecycle consists of three main phases:**

**Clean:** Prepares the project by cleaning old builds (pre-clean, clean, post-clean).

**Default (Build):** Handles project build (compile, test, package, install, deploy).

**Site:** Generates project documentation (site, site-deploy).