**Note: practise with code**

what are limitations in selenium webdriver

**Advantages:**

1. Selenium is pure open source tool.
2. Selenium supports variety of languages that include Java, Perl, Python, C#, Ruby, Groovy, Java Script and VB Script etc.
3. Selenium supports many browsers like Chrome, Firefox, safari etc.
4. Selenium can be integrated with ANT or Maven kind of framework for source code compilation.
5. Selenium can be integrated with testNG testing framework for testing our applications and generating reports.
6. It can be integrated with other open source tools for supporting other features.
7. Selenium can be used for Android, IPhone etc based application testing.

**Disadvantages:**

1. Selenium only supports wed based application.
2. Selenium need outside support for report generation activity like dependence on TestNG or Jenkins.
3. Selenium does not provide any built in IDE for script generation and it need other IDE like Eclipse for writing.
4. Selenium automation engineers are bit in scarcity these days.
5. Selenium does not support file upload facility.

installing/configure selenium

1. Download java and install then set the environment variables.
2. Download eclipse and install.
3. Create a workspace in eclipse.
4. Create a project 🡪 package 🡪 class
5. Download selenium libraries(Jar files)
6. Configure jar files into the project Right click on the project then select properties.
7. In the following window select java build path and then select add jar external files.
8. Browse for the jar files and add.

what are different ways of locating elements in selenium

ex :

By.id:

p.findElement(By.*id*("q")).sendKeys("vmware");

By.className:

p.findElement(By.*className*("gsc-search-button")).click();

By.click:

x.findElement(By.name("Login")).click();

By.tagname:

x.findElement(By.tagName(“html tag name”))

By Css selector:

x.findElement(By.*cssSelector*("#username")).sendKeys("pranaya");

By Link:

x.findElement(By.Link(“link text”));

By xpath:

f.findElement(By.*xpath*("//a[@value='GOI']")).click();

which is fastest way to identify elements in web page?

ex: css selectors

what is absolute path and relative path in xpath

ex:

Absolute path: It uses the complete path from root to desired element.  
f.findElement(By.xpath("//\*[@id='dropdownGroup1']/div/ul[2]/li[4]/a")).click();

Relative Path: We can write by referencing any element.

f.findElement(By.*xpath*("//a[@value='GOI']")).click();

different types of waits or synchronization in selenium webdriver

Conditional

Unconditional

how to save screen shots using selenium webdriver

Ex:

**import** java.io.IOException;

**import** org.openqa.selenium.OutputType;

**import** org.apache.commons.io.FileUtils;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.TakesScreenshot;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** screenshot {

**public** **static** **void** main(String[] args) **throws** IOException

{

System.*setProperty*("webdriver.chrome.driver", "C:\\SeleniumDrivers\\chromedriver.exe");

WebDriver p = **new** ChromeDriver();

p.get("http://www.google.com");

File scrFile = ((TakesScreenshot)p).getScreenshotAs(OutputType.***FILE***);

FileUtils.*copyFile*(scrFile, **new** File("c:\\Downloads\\screenshot.png"));

}

}

how to handle multiple windows in selenium webdriver

Ex: write code

how to launch webpage using chrome driver

System.*setProperty*("webdriver.chrome.driver", "C:\\SeleniumDrivers\\chromedriver.exe");

WebDriver p = **new** ChromeDriver();

what is desired capabilities in selenium webdriver

Ex: write code

how to set language while opening website

Ex: write code

how to handle windows based popups (upload and dropdown)

Ex: write code

Driver.SwitchTo().alert().accept();

write code to verify any application login page is working or not

(u should write code to use textbox, button click events)

Ex: write code

how to select items from dropdown/select box

Ex: write code

We can write xpath by selecting any webelement

f.findElement(By.*xpath*("//a[@value='GOI']")).click();

we can also write our own xpath

f.findElement(By.xpath("//\*[@id='dropdownGroup1']/div/ul[2]/li[4]/a")).click();

how to know if checkbox is checked or not in webpage

ex:

tell me code to pass values from parent window to child window

Ex: write code

write code to find out if all links are working or not

Ex: write code

write code on how to use javascriptexecutor?

Ex: write code

difference between assert and verify?

Ex: write code

difference between driver.close and driver.quit methods?

Ex: write code

common exceptions in selenium?

Ex: write code

how to handle Ajax calls in selenium?

Ex: write code

we have webtable, need to click on second row from table.

when we click on child will be populated. first column in primary column for each row.

tell me steps to verify child form has proper data or not

Ex:

How to assign the value to textbox other than sendkeys method?

Selenium grid, how to execute scripts on multiple browser