**WEB DRIVER MOCK :**

1. **What is Automation?: testing the application using any external tool**
2. **Advantages of Automation ?:**
3. **When to automate and when not to automate ?: when tight deadlines we cant to automation, when ever we need the human intervention like captcha one time pwds..( we have an alternate ways using java codes can be handled like sending the api calls to catcha or testing with constant captcha etc..)automations is avoided when there are any UI change is expected in near future..barcode readers can be automated, images or video previews all not well automated.**
4. **Whats the difference between Assert and Verify in Selenium IDE?: When assert fails it stops the executions , where as with verify failed statement wont be executed but the remaining statements can be executed.**
5. What all the element locaters are available with selenium web driver ?
6. I want to automate windows based application using selenium web driver…can I do that ?

No, We cant automate the windows based applications.. Only web based

1. What is Fire Path and Fire Bug?
2. Xpath and CSS Selectors ?Xpath is inconsistent and behaves differently in diff browsers,limited to some browsers.. CSS selectors will work well on many browsers.
3. How to get element attribute using selenium web driver ?
4. How to store current URL using web driver? Ans : driver.getCurrentURL();
5. How to double click on an element in web driver?
6. Difference between setSpeed() and sleep(); ?
7. What is selenium?components?
8. How you setup webdriver in eclipse ? steps
9. Why we need to set property?
10. Whatarethe locators available in web driver..which one you prefer? CSS
11. How do you get current title,page sourse and current url?
12. How you write the method for maximising window ?

Notes :

We have diff automation tools , among selenium is popular..it supports many languages

Selenium is an automation tool which used for automating the web applications.

Selenium is consists of four components :

1. **Selenium IDE:** is a plugin in the firefox browser ..scripts are automatically generated using the tool..we can add the plugin to the browser from seleniumhq site or we can directly download..the plugin will be added to the browser and its record and playback tool.Actions will be recorded.. it has three columns : command Target and value. We can save the testcases and we can assert and verfify the testcases. … : flexibility is less using IDE ..we can not use for data driven like multiple sets of the data..for regressions using Jenkins cant be done. It will helpful to get an understand of how things will work in automation.
2. **Selenium RC (Remote Control):** supports diff languages like web driver (java python ruby pearl and php). whatever the test scripts we write it will be converted into java script code and that JS code will be executed on the browsers, because of this feature it is little slow compared to web driver…there is an intermediate between our script and browser i.e RC … whenever we re executing the script we need to start and stop the server.
3. **Selenium Grid:** selenium grid helps to run the scripts on many servers, at the same time which cut down the time and run the scripts on many browsers or on the many operating systems. Selenium Grid allows you to run the tests on different machines against different browsers in parallel. Essentially it supports distributed test execution.It allows for running tests in distributed test execution environment.
4. **Web Driver:** latest version is selenium 3. It supports most popular browsers. It supports multiple languages (java, python, ruby, c#, JS and pearl). Depending on the language which we want to use for webdriver need to download the jar’s accordingly and add those jars to the classpath.

Whenever we want to automate, have to setup the environment(tools,jars,plugins..) that is required for automation

1. Ide(Eclipse, Intellij, jetBrains..)

2. Selenium jars( either download and add to java classpath / setup with Maven Buiold tool

Selenium WebDriver is an API which consists of selenium JAR’s and wendrider itself is an Interface