Selenium Features:-

#. Selenium is a suite of 4 major components.
#. It Support multiple browser,Operating System as well as programming languages.
#. It also support parallel test execution using Selenium Grid.
#. Selenium Can be integrated with Maven for build and dependency Management.
#. Selenium can integrate with TestNG for testing the application and Generating the Test Report.

Limitations:-

#. It Does not support automation testing for desktop application.
#. It does not have capability to generate test report. will have rely in TestNG.
#. It Does not support Captch based testing.

Selenium is a Suite with 4 major components:-

1. Selenium IDE :- Integarted Development Environment
2. Selenum RC :- Remote Control
3. Selenium WebDriver :- Widely used in the market
4. Selenium Grid:- Popular for Parallel Execution.

Selenium WebDriver:-

#. WebDriver is a component of Selenium Suite as well as WebDriver is an interface.
#. It provides a programming interface to create and execute test cases.
#. It is much faster than Selenium RC.
#. Selenium WebDriver directly calls the method of different browser hence we have seprate
driver for each broswer.

WebDriver Methods:-

1. get() :- it is used to open the URL.
2. getCurrentUrl():- It returns current url address.
3. getTitle():- It is used to get the title of current web Page.
4. getPageSource():- It is used to get the source of current loaded page.
5. findElement():- It is used to locate single web element on web page.
6. findElements():- It is used to locate one or more than one web elements on web page.
7. close():- Close your current window.
8. quit():- Close current window as well as all associated window.
9. getWindowHandle():- It is used to handle current window.
10. getWindowHandles():- It is used to handle more than one window.
11. switchTo():- It is used to switch between 2 window,frame,alert
12. navgaite():- It is used to open URL as well as we can refresh,back,forward etc on the web page
13. manage():- It is used to maximize the window.