Selenium is a suite with 4 Manjor Components:-

1. Selenium IDE ( Integrated Development Environment)

2. Selenium RC ( Remote Control )

3. Selenium Web Driver :- Widely used in Industry.

4. Selenium Grid :- Parallel Testing.

Selenium WebDriver

#. Selenium WebDriver is a component of Selenium Suite.

#. WebDriver is an interface.

#. It Provides a programming interface to create and execute Test Cases.

**WebDriver Methods:-**

1. get():- It is used to open the URL.

2. getCurrentUrl():- It returns the 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 browser.

8. quit():- Close the current window as well as all associated window.

9. getWindowHandle():- It is used to handel the current Window.

10. getWindowHandles():- It is used to handle more than one window.

11. switchTo():- It is used to switch between 2 window,farme,alert.

12. navigate():- 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.

**WebElement Operational Methods:-**

1. click() :- It is used to click on the Web Element.

2. sendKeys()It is used to enter data inside textbox/input box/text area.

3. clear():- It is used to clear the textbox/input box/text area.

4. getText():- It is used to fetch the text of the Web Element.

5. getTagName():- It is used to retrive the html tagName.

6. isSelected():- It is used to check if the Web element is selected or not.

7. isEnabled():- It is used to check if the web element is enabled or not.

8. isDisplayed():- It is used to check if the web element is dispalyed or not.

9. getAttribute():- It is used to fetch attribute of web element.