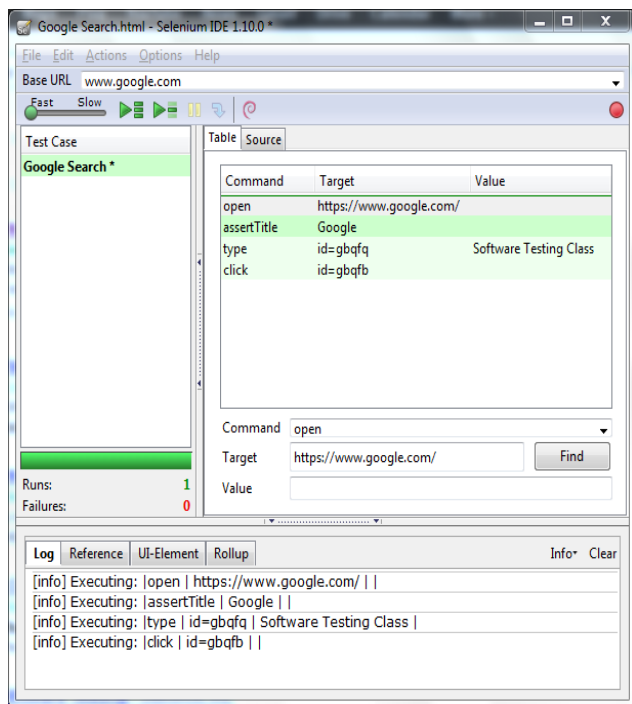# Selenium IDE

Selenium IDE (Integrated Development Environment) **is the simplest tool** in the Selenium suite

Selenium IDE:

PROS:

1. FireFox plugin with Record/Playback, Edit and Debug test in Browser.
2. Script gets recorded in **Selenese** language
3. It helps in exporting test that can be executed in Selenium RC & webDriver.
4. It allows the user to add Assertions and Verifications.

CONS:

1. Available only in Firfox Browser
2. No support for iteration and conditional operator
3. Test execution is slow compare to RC & Webdriver

Locators in Selenium IDE:

1. Id
2. Name
3. Classname
4. cssSelector
   Tag and ID
   Tag and class
   Tag and attribute
   Tag, class, and attribute
   Inner text
5. xpath
6. link
7. DOM
   getElementById
   getElementsByName
   dom:name
   dom: index

Selenese combination of 3A's:

1. **Action:** To perform action on element or used to change the state of AUT (Click, Close, doubleclick)

2. **Accessor:** To check the state of the application and save the application state in some variable

E.g.: storeTitle , storeElementPresent

3. **Assertions:** Verifies the state of the application matches it with the expected state and generates the

   True/False result.
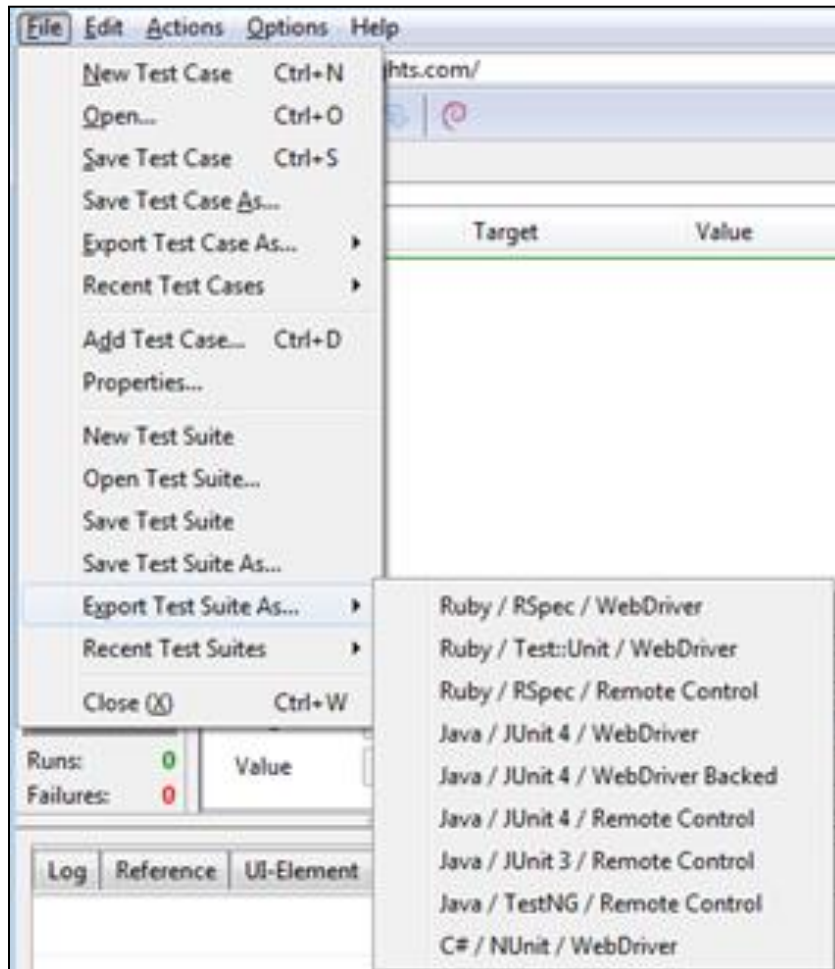
E.g. : verifyText, assertText

Selenese Commands:

Open	Opens a page using URL
Click/ClickAndWait	Performs a click operation, and optionally waits for a new page to load.
VerifyTitle/assetTitle	Verifies an expected page title
VerifyTextPresent	Verifies expected text is somewhere on the page.
VerifyElementPresent	Verifies that an expected UI element, as defined by its HTML tag, is present on the page.
VerifyText	Verifies that expected text and its corresponding HTML tag are present on the page.
VerifyTable	Verifies a table's expected contents.
waitForPageToLoad	pause execution until an expected new page loads. Called automatically when clickAndWait is used.
waitForElementPresent	Pauses execution until an expected UI element, as defined by its HTML tag, is present on the page

Selenese commands for Alert:

assertAlert assertNotAlert	retrieves the message of the alert and asserts it to a string value that you specified
assertAlertPresent assertAlertNotPresent	asserts if an Alert is present or not
storeAlert	retrieves the alert message and stores it in a variable that you will specify
storeAlertPresent	returns TRUE if an alert is present; FALSE if otherwise
verifyAlert verifyNotAlert	retrieves the message of the alert and verifies if it is equal to the string value that you specified
verifyAlertPresent verifyAlertNotPresent	verifies if an Alert is present or not

Exporting Script to multiple language:

We can export Selenium IDE script into Selenium webDriver and RC in required language.

Note: The default format for Selenese commands is HTML.