

Module 6

Selenium IDE Installation, Playback and Record

Selenium IDE-Installation

- Since, Selenium IDE is available only as Firefox and Chrome plug-in,
- However, you can download the latest version of Firefox through their official website provided under the link given below.
- <https://www.mozilla.org/en-US/firefox/new/>

Selenium IDE Download and Install

- Launch Mozilla Firefox browser.
- Open URL
- <https://addons.mozilla.org/en-us/firefox/addon/selenium-ide/>
- It will redirect you to the official add-on page of Firefox.
- Click on "Add to Firefox" button.

Selenium IDE - Add-ons for Firefox

Mozilla Foundation (US) <https://addons.mozilla.org/en> Search


Most Visited Getting Started Google

Developer Hub Register or Log in

Firefox Add-ons

Explore Extensions Themes More...

Find add-ons



Experimental

Selenium IDE

by Selenium

Selenium IDE is an integrated development environment for Selenium tests. It is implemented as a Firefox extension, and allows you to record, edit, and debug tests.

+ Add to Firefox





70,008 Users 263 Ratings ★★★★★ Overall Rating

Rate your experience

How are you enjoying your experience with Selenium IDE?

Log in to rate this extension

Screenshots




- A pop-up dialog box will be appeared asking you to add Selenium IDE as extension to your Firefox browser.
- Click on "Add" button.

Selenium IDE – Add-ons for Firefox

Mozilla Foundation (US) | https://addons.mozilla.org

Search


Most Visited Getting Started


 Firefox Add-ons

Add Selenium IDE?
It requires your permission to:

- Access your data for all websites
- Download files and read and modify the browser's download history
- Display notifications to you
- Access browser tabs
- Access browser activity during navigation

Add Cancel

 **Selenium IDE**
by Selenium

Experimental 

Selenium IDE is an integrated development environment for Selenium tests. It is implemented as a Firefox extension, and allows you to record, edit, and debug tests.

+ Add to Firefox

- Restart you Firefox browser.
- Go to the top right corner on your Firefox browser and look for the Selenium IDE icon.

—

📄

✕

🔍 Search

📊

📺

HD

📶

📶

📶

KV

🔄

Se


☰

Developer Hub [↗](#)

Register or Log in

🔍 Find add-ons

➔

mental 

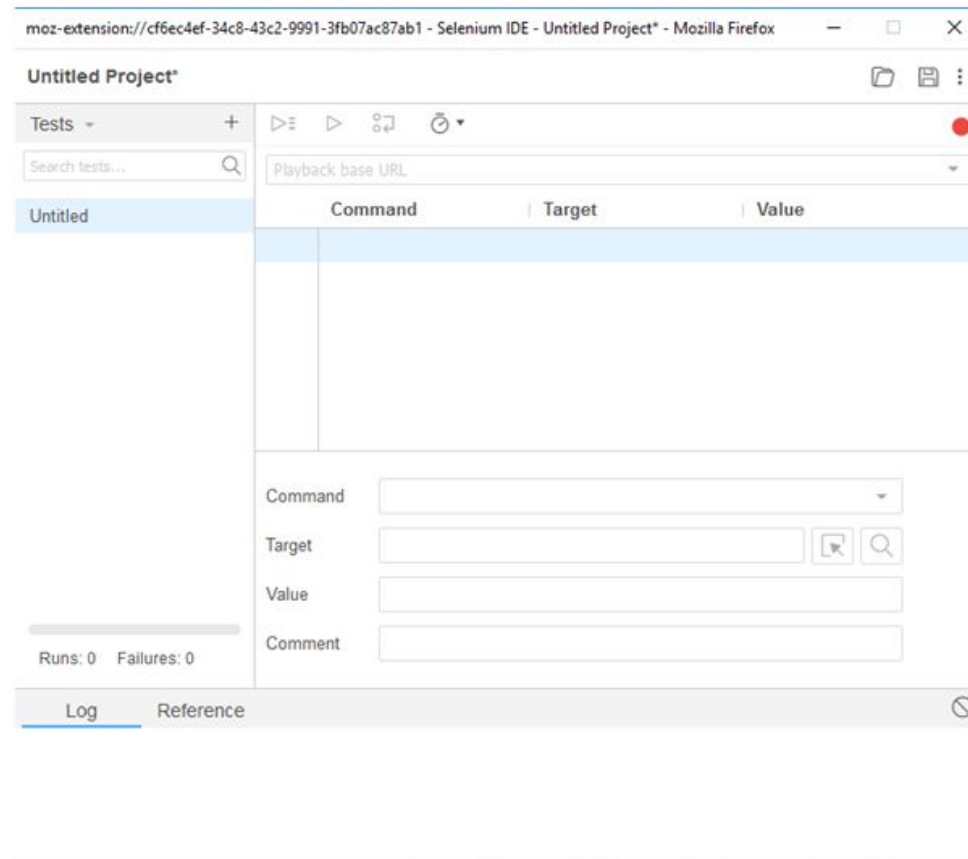
70,108
Users

263
Ratings

★★★★☆

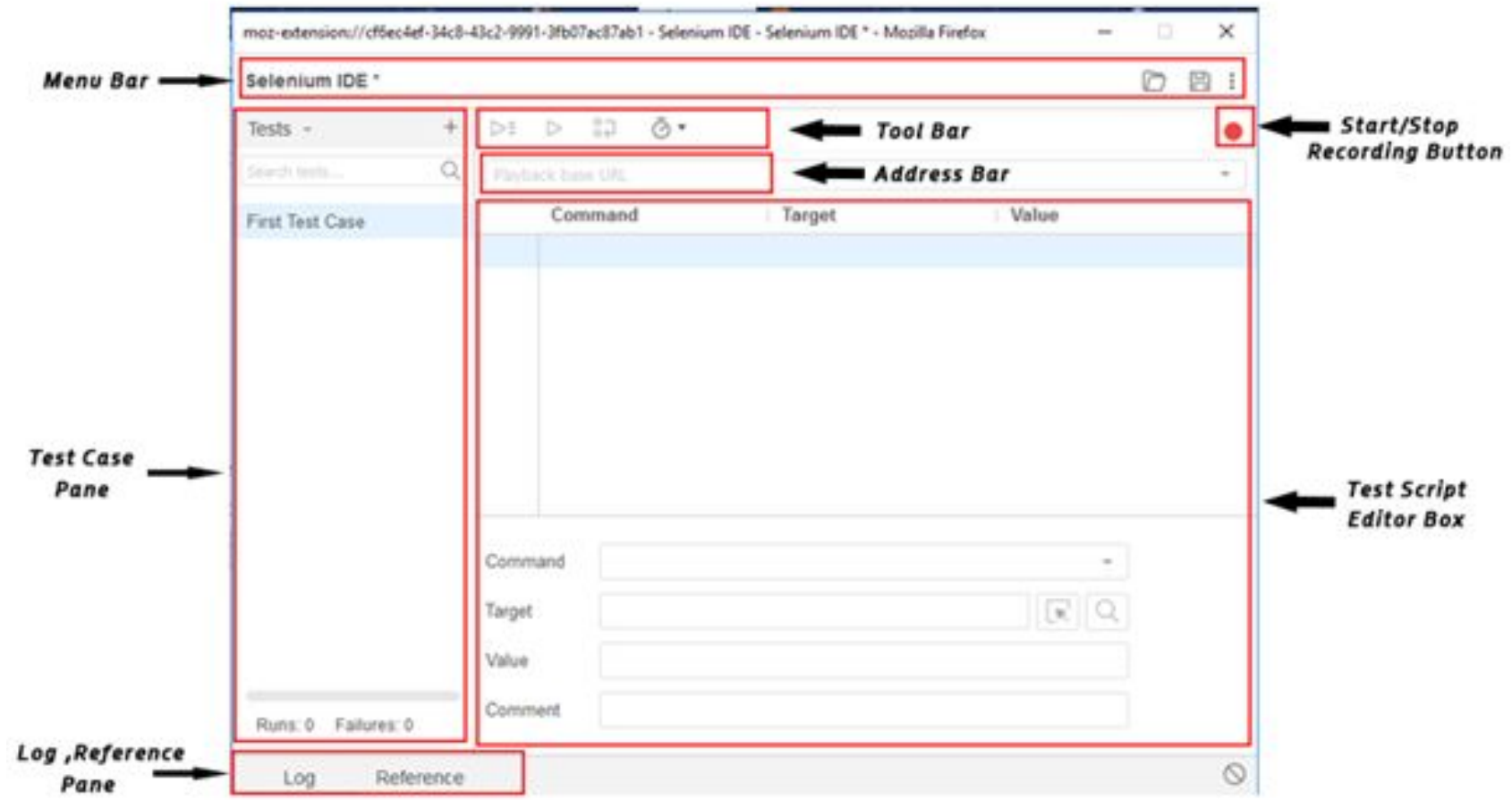
Overall Rating

- Click on that icon to launch Selenium IDE.



Selenium IDE-Features

- Selenium IDE is divided into different components, each having their own features and functionalities.
- We have categorized seven different components of Selenium IDE, which includes:
 - Menu Bar
 - Tool Bar
 - Address Bar
 - Test Case Pane
 - Test Script Editor Box
 - Start/Stop Recording Button
 - Log, Reference Pane



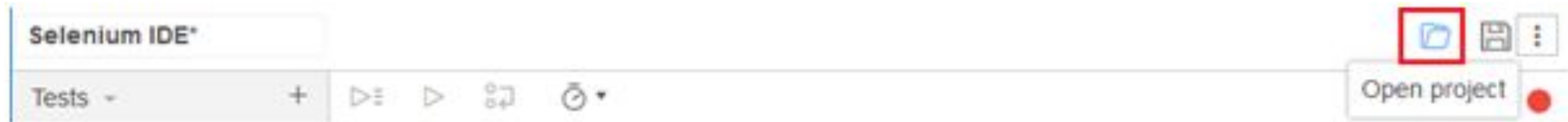
1. Menu Bar

- Menu bar is positioned at the top most portion of the Selenium IDE interface. The most commonly used modules of menu bar include:
- Project Name
- It allows you to rename your entire project.



- Open Project

It allows you to load any existing project from your personal drives.



- Save Project

It allows you to save the entire project you are currently working on.

Selenium IDE*

Save project

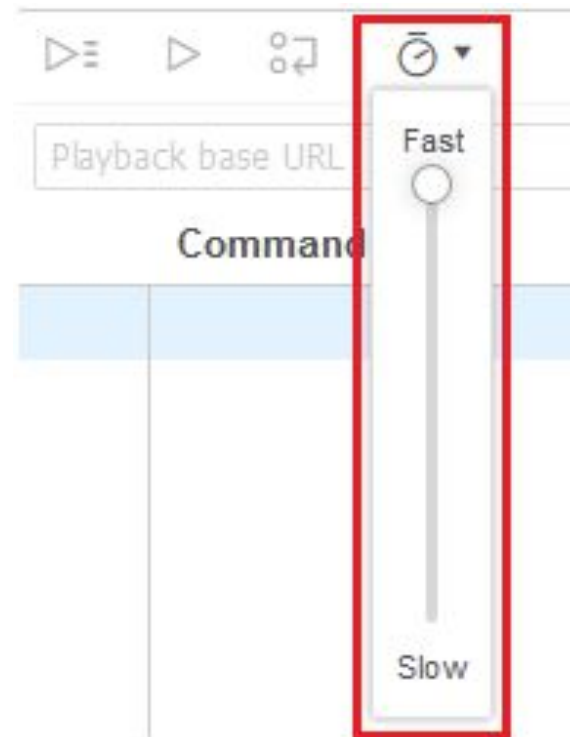


2. Tool Bar

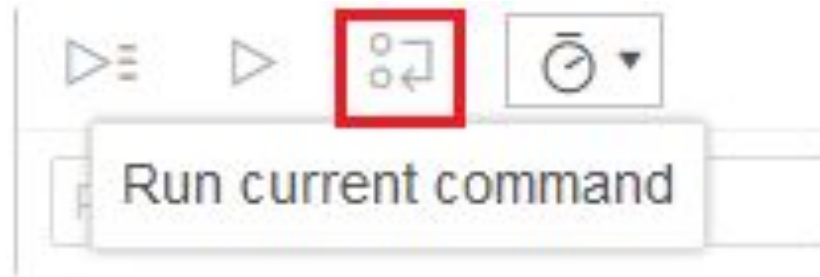
- The Tool bar contains modules for controlling the execution of your test cases.
- In addition, it gives you a step feature for debugging you test cases. The most commonly used modules of Tool Bar menu include:

- Speed Control Option

It allows you to control the execution speed of your test cases.



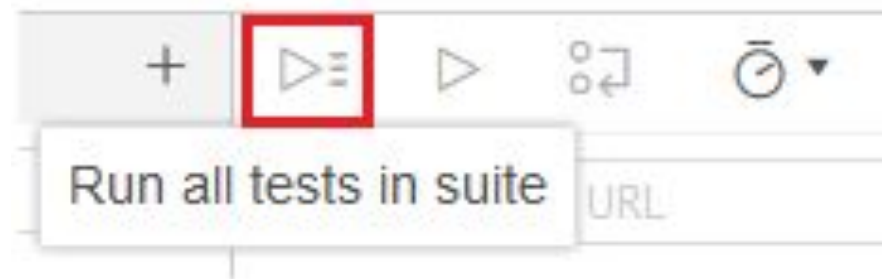
- Step Feature
- It allows you to "step" through a test case by running it one command at a time. Use for debugging test cases.



- Run Tests
- It allows you to run the currently selected test. When only a single test is loaded "Run Test" button and "Run all" button have the same effect.

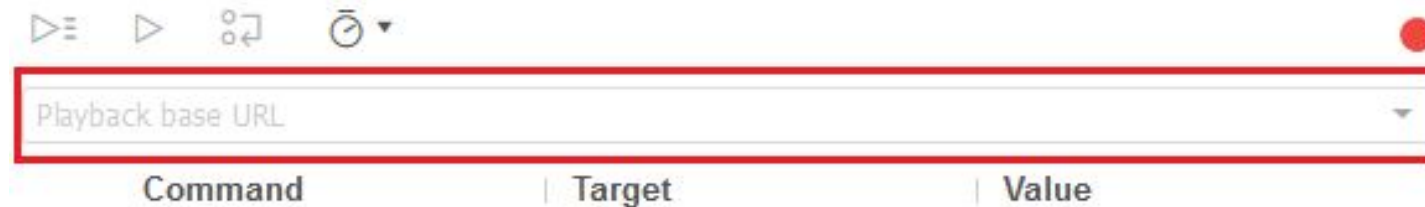


- Run All
- It allows you to run the entire test suite when a test suite with multiple test cases is loaded.



3. Address Bar

- This module provides you a dropdown menu that remembers all previous values for base URL.
- In simple words, the base URL address bar remembers the previously visited websites so that the navigation becomes easy later on.



4. Test Case Pane

- This module contains all the test cases that are recorded by IDE.
- In simple words, it provides the list of all recorded test cases at the same time under the test case pane so that user could easily shuffle between the test cases.

moz-extension://cf6ec4ef-34c8-43c2-9991-3fb07ac87ab1 - Selenium IDE - Demo Test * - Mozilla Firefox

Demo Test *

Tests +

Search tests...

JavaTpoint*

https://www.google.co.in

	Command	Target	Value
1.	open	/	
2.	type	id=lst-ib	javatpoint tutorials
3.	send keys	id=lst-ib	\$(KEY_ENTER)
4.	mouse over	css=h3.r > a	
5.	mouse out	css=h3.r > a	
6.	click at	css=h3.r > a	147,11
7.	mouse over	css=img.imageright	
8.	mouse out	css=img.imageright	

Command type

Target id=lst-ib

Value javatpoint tutorials

Comment

Runs: 1 Failures: 1

Log Reference

- At the bottom portion of the Test Case Pane, you can see the test execution result summary which includes the pass/fail status of various test cases.
- Test Case Pane also includes features like Navigation panel which allow users to navigate between test cases and test suites.

5. Test Script Editor Box

- Test Script Editor Box displays all of the test scripts and user interactions that were recorded by the IDE.
- Each user interaction is displayed in the same order in which they are performed.
- The Editor box is divided into three columns:
- Command, Target and Value.

Demo Test *



Tests ▾



Search tests...



https://www.google.co.in

JavaTpoint*

	Command	Target	Value
--	---------	--------	-------

1.	open	/	
2.	type	id=lst-ib	javatpoint tutorials
3.	send keys	id=lst-ib	\$(KEY_ENTER)
4.	mouse over	css=h3.r > a	
5.	mouse out	css=h3.r > a	
6.	click at	css=h3.r > a	147,11
7.	mouse over	css=img.imageright	
8.	mouse out	css=img.imageright	

Command

type

Target

id=lst-ib



Value

javatpoint tutorials

Comment

Runs: 1 Failures: 1

Log

Reference

includes: All browser locator



Command:

- Command can be considered as the actual operation/action that is performed on the browser elements.
- For instance, if you are opening a new URL, the command will be 'open'; if you are clicking on a link or a button on the web page, then the command will be 'clicked'.

https://www.google.co.in

	Command	Target	Value
1.	open	/	
2.	type	id=lst-ib	javatpoint tutorials
3.	send keys	id=lst-ib	\$(KEY_ENTER)
4.	mouse over	css=h3.r > a	
5.	mouse out	css=h3.r > a	
6.	click at	css=h3.r > a	147,11

Command: open

Target: /

Value:

Comment:

Target:

- Target specifies the web element on which the operation has to be performed along with a locator attribute.
- For instance, if you are clicking on a button called TCET, then the target link will be 'TCET'.

https://www.google.co.in

	Command	Target	Value
1.	open	/	
2.	type	id=lst-ib	javatpoint tutorials
3.	send keys	id=lst-ib	\$(KEY_ENTER)
4.	mouse over	css=h3.r > a	
5.	mouse out	css=h3.r > a	
6.	click at	css=h3.r > a	147,11

Command: type

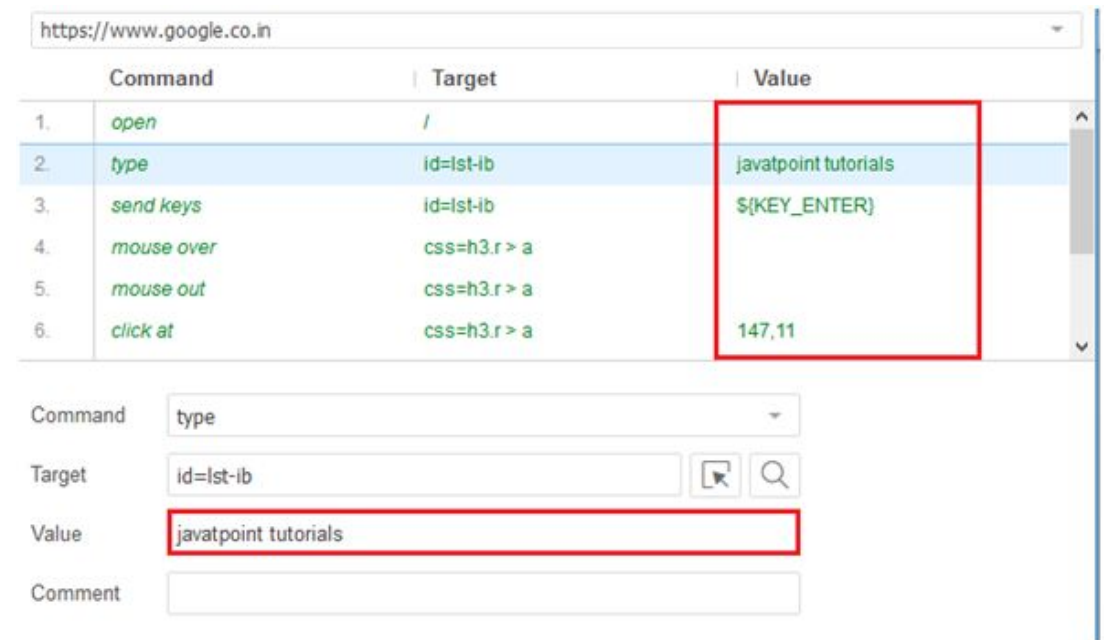
Target: id=lst-ib

Value: javatpoint tutorials

Comment:

Value:

- Value is treated as an optional field and can be used when we need to send some actual parameters.
- For instance, if you are entering the email address or password in a textbox, then the value will contain the actual credentials.



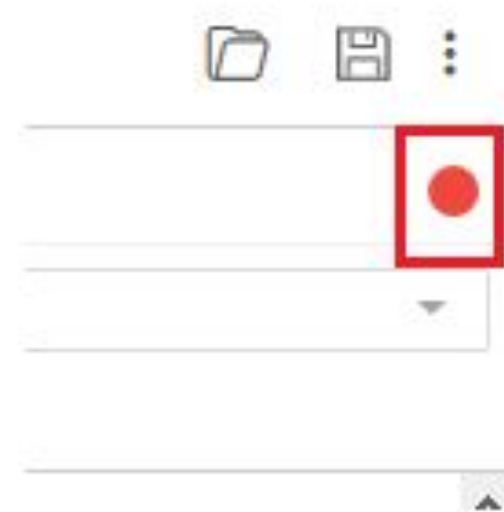
The screenshot displays the Selenium IDE interface. At the top, the URL bar shows "https://www.google.co.in". Below it is a table with three columns: "Command", "Target", and "Value". The table contains six rows of test steps. A red rectangle highlights the "Value" column for the second, third, and sixth rows. Below the table, there is a form for editing a command. The "Command" dropdown is set to "type". The "Target" field contains "id=lst-ib". The "Value" field contains "javatpoint tutorials" and is also highlighted with a red rectangle. The "Comment" field is empty.

	Command	Target	Value
1.	open	/	
2.	type	id=lst-ib	javatpoint tutorials
3.	send keys	id=lst-ib	\$(KEY_ENTER)
4.	mouse over	css=h3.r > a	
5.	mouse out	css=h3.r > a	
6.	click at	css=h3.r > a	147,11

Command: type
Target: id=lst-ib
Value: javatpoint tutorials
Comment:

6. Start/Stop Recording Button

- Record button records all of the user actions with the browser.



7. Log, Reference Pane

- The Log Pane displays the runtime messages during execution.
 - It provides real-time updates of the actions performed by the IDE.
 - It can be categorized into four types: info, error, debug and warn.
-
- The reference Pane displays the complete detail of the currently selected selenese command in the editor.

Demo Test *

Tests - +

Search tests...

javaTpoint*

https://www.google.co.in

	Command	Target	Value
4.	type	id=lst-ib	javatpoint tutorials
5.	send keys	id=lst-ib	\$[KEY_ENTER]
6.	mouse over	//a[contains(text(),'Servlet')]	
7.	mouse out	//a[contains(text(),'Servlet')]	
8.	mouse over	css=h3.r > a	
9.	mouse out	css=h3.r > a	

Command

type

Target

id=lst-ib

Value

javatpoint tutorials

Comment

Runs: 1 Failures: 0

Log Reference

- 11. runScript on window.scrollTo(0,377)... OK
 - 12. clickAt on //div[@id='city']/table/body/tr/td/fieldset[2]/div/a/div/p with value 51,3... OK
 - 13. mouseOver on //a[contains(text(),'Operators')]... OK
 - 14. mouseOver on css=img.imageright... OK
 - 15. mouseOut on css=img.imageright... OK
- 'javaTpoint' completed successfully**

Demo Test *

Tests +

Search tests...

javaTpoint*

https://www.google.co.in

	Command	Target	Value
4.	type	id=lst-ib	javatpoint tutorials
5.	send keys	id=lst-ib	\$(KEY_ENTER)
6.	mouse over	//a[contains(text(),'Servlet')]	
7.	mouse out	//a[contains(text(),'Servlet')]	
8.	mouse over	css=h3.r > a	

Command

type

Target

id=lst-ib

Value

javatpoint tutorials

Comment

Runs: 1 Failures: 0

Log

Reference

type locator, value

Sets the value of an input field, as though you typed it in. Can also be used to set the value of combo boxes, check boxes, etc. In these cases, value should be the value of the option selected, not the visible text. Chrome only: If a file path is given it will be uploaded to the input (for type=file), NOTE: No XPath locators.

arguments:

- locator - An element locator.
- value - The value to type.

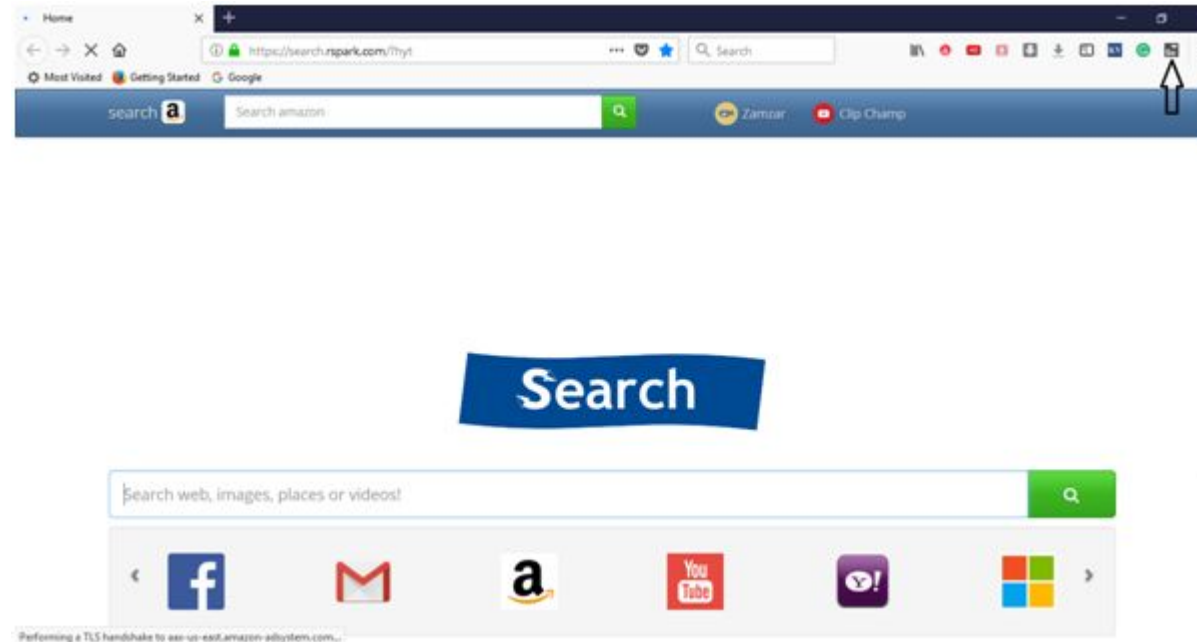
Selenium IDE- First Test Case

The entire test script creation process in Selenium IDE can be classified into three steps:

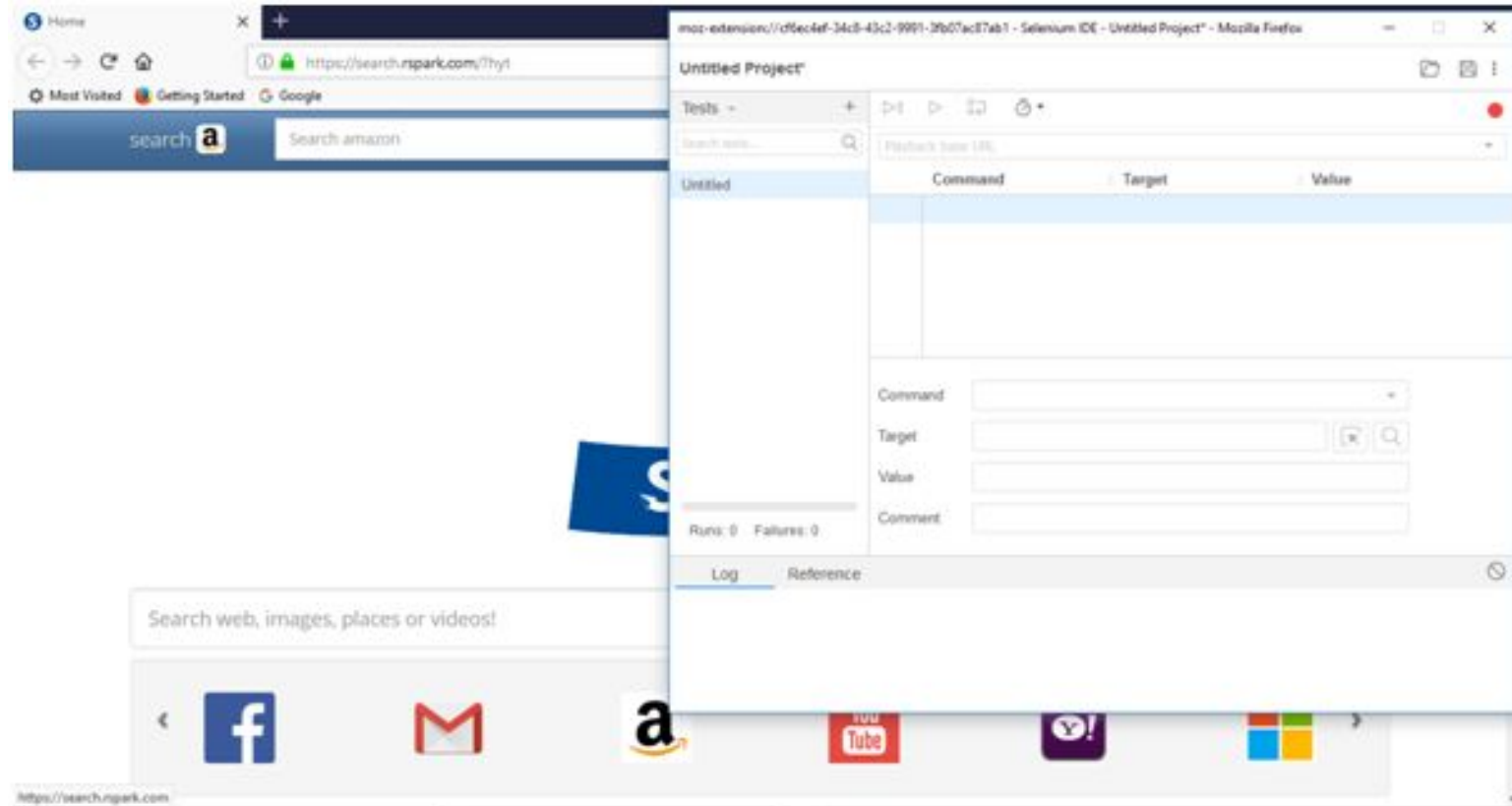
- Recording (recording user interactions with the browser)
- Playing back (executing the recorded script)
- Saving the test suite

1. Recording

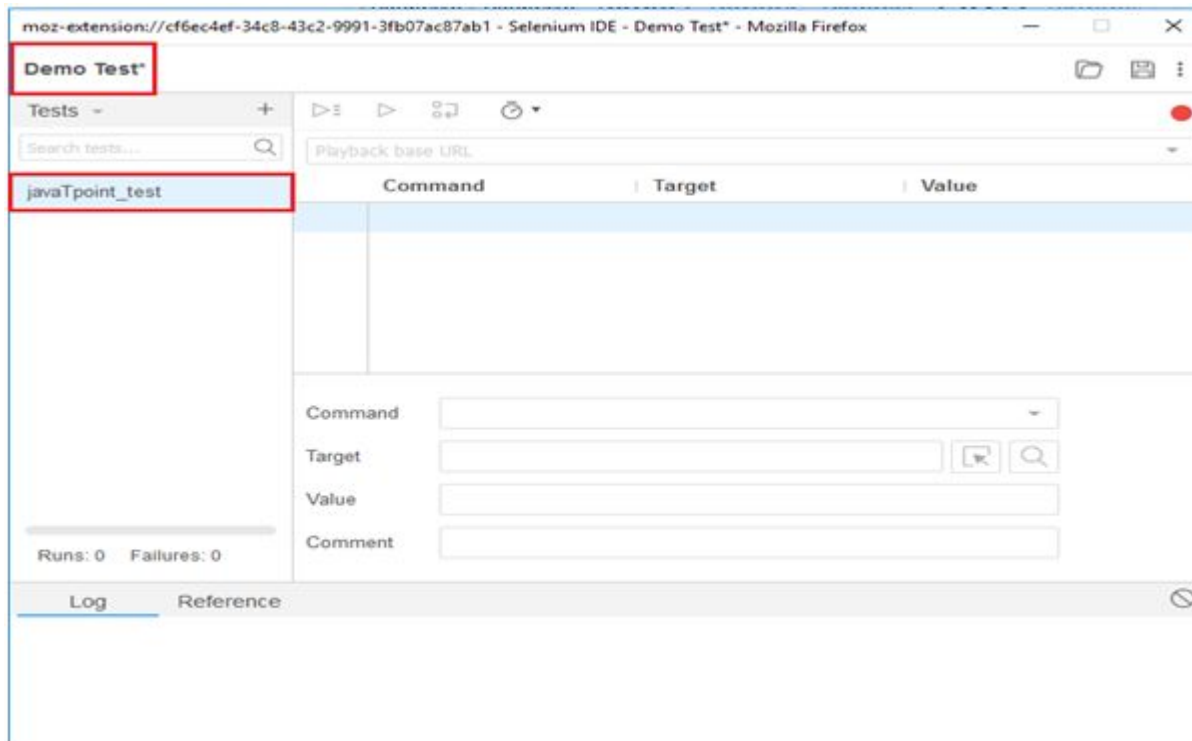
- Launch Firefox browser.
- Click on the Selenium icon present on the top right corner on your browser.



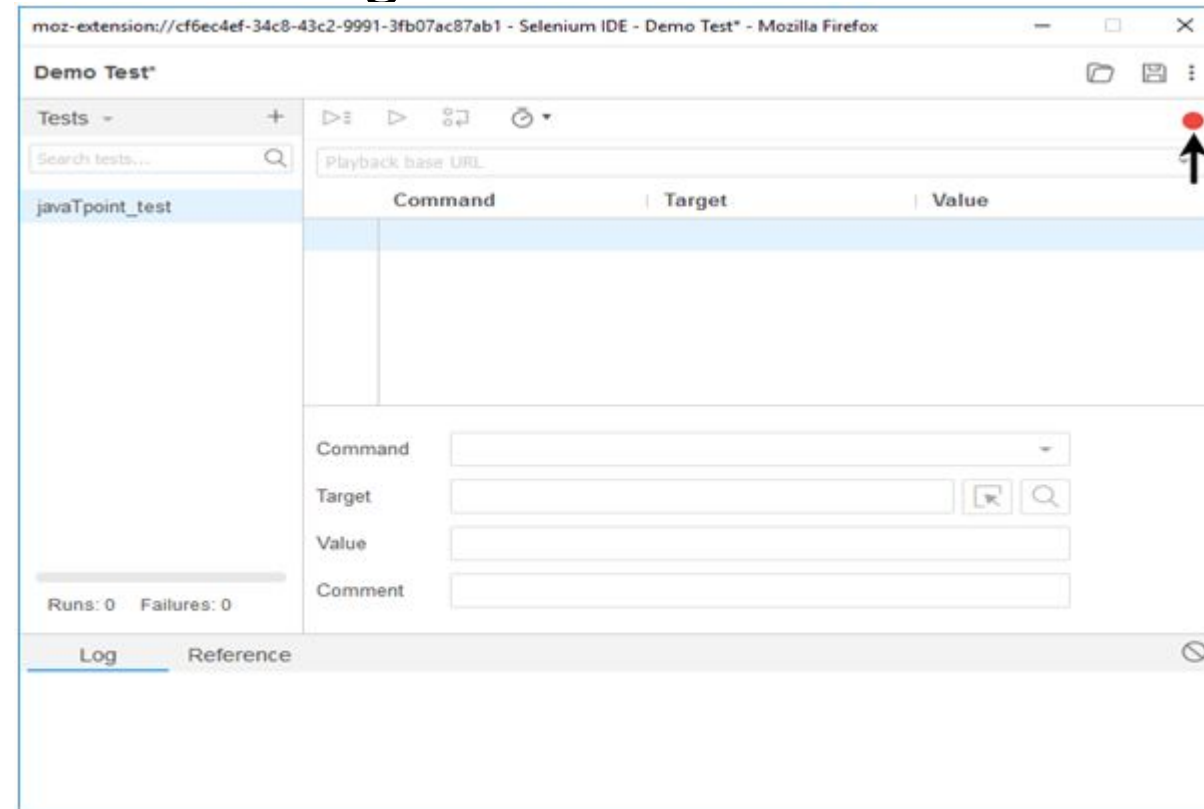
- It will launch the default interface of Selenium IDE.



- Rename the project as "Demo Test".
- Rename the test case as "javaTpoint_test".



- Click on the "Start Recording" Button present on the top right corner on the IDE to start recording the test case.



- Go to your Firefox browser and open URL: www.google.com
- It will redirect you to the Google search engine page.
- Type "Java Tutorials" in the Google search box.
- Hit enter to get the search results.
- Click on the link "Java Tutorial" provided under the URL

Java tutorials - Google Search

https://www.google.co.in/search?source=hp&ei=X031...

Most Visited Getting Started Google

Java tutor - Results 7 days a week | search1.cnet.com
search1.cnet.com/Java Tutor
Get Tech Information & More at Cnet. Find Java Tutor Results Now!

Java learn - Click here and get best info
search.gmx.net/Java learn/Save your time
Get Java learn here. Check it now

Java Tutorial
https://www.tutorialspoint.com/java/ •
Java Tutorial for Beginners - Learn Java in simple and easy steps starting from basic to advanced concepts with examples including Java Syntax Object
Java Overview Java Inheritance Java Collections Java Arrays
You've visited this page 4 times. Last visit: 15/4/18

→ **Java Tutorial | Learn Java - javatpoint**
https://www.javatpoint.com/java-tutorial •
Our core Java programming tutorial is designed for students and working professionals. Java is an object-oriented, class-based, concurrent, secured and ...
History of Java Java Collection Servlet Java JDBC
You've visited this page 5 times. Last visit: 4/7/18

Java Tutorial for Beginners: Learn in 7 Days - Guru99
https://www.guru99.com/java-tutorial.html •
Jun 27, 2018 - Learn Java Programming online with this tutorial. This Java course provides training for beginners.

Java Tutorials - Find No.1 Institutes | urbanpro.com
www.urbanpro.com
Find India's Best Java Tutors Search by Area, Experience & Rated!

music: upen - Lyrics: rrrrr
Phone: 0120 425 6464
Suggest an edit
Know this place? Answer quick questions
Questions & answers
Q: can i purchase a cse project from javatpoint??
(1 answer)
See all questions (9)
Send to your phone
Reviews
Write a review Add a photo
"Great Thanks to Java T Point people."
"All most every thing covered for freshers"
"The way of explanation of any topic is best and easily understandable."
View all Google reviews
From JavaTpoint Tra
Javatpoint provides a best Ja

Command was recorded
command: clickAt
target: //a[contains(text(), 'Java Tutorial | Learn Java - javatpoint')]
value: 195,8

https://www.google.co.in/ef/handirect?jsq&source=s&source=web&dcdr=2&vedr=0ahU0IwJhngp6684ncANOLMY3B0hVwAmIQFggPMAE&url=https://www.javatpoint.com/java-tutorial/

- It will redirect you to the particular web page.
- Meanwhile, you will get the notifications of the actions performed by the IDE at the extreme right corner of your web browser.
- Now, go the IDE and click on the "Stop Recording" button to stop recording your actions further.
- The Test Editor box now contains the list of all of your interactions with the browser.

https://www.google.co.in

	Command	Target	Value
1.	<i>open</i>	/	
2.	<i>type</i>	id=lst-ib	Java tutorials
3.	<i>send keys</i>	id=lst-ib	\${KEY_ENTER}
4.	<i>run script</i>	window.scrollTo(0,16)	⋮
5.	<i>click at</i>	//a[contains(text(),'Java Tutorial Learn Java - javatpoint')]	134,11

Command

open

Target

/

Value

Comment

2. Playing Back

- Click on the "Run Current Test" button present on the tool bar menu of the IDE.
- It will execute all of your interactions with the browser and gives you an overall summary of the executed test script.

moz-extension://cf6ec4ef-34c8-43c2-9991-3fb07ac87ab1 - Selenium IDE - Demo Test* - Mozilla Firefox

Demo Test*

Tests - +

Search tests...

Run current test

	Command	Target	Value
1.	open	/	
2.	type	id=lst-ib	Java tutorials
3.	send keys	id=lst-ib	\$(KEY_ENTER)
4.	run script	window.scrollTo(0,16)	
5.	click at	//a[contains(text(),'Java Tutorial Learn Java - javatpoint')]	134,11

Command: open

Target: /

Value:

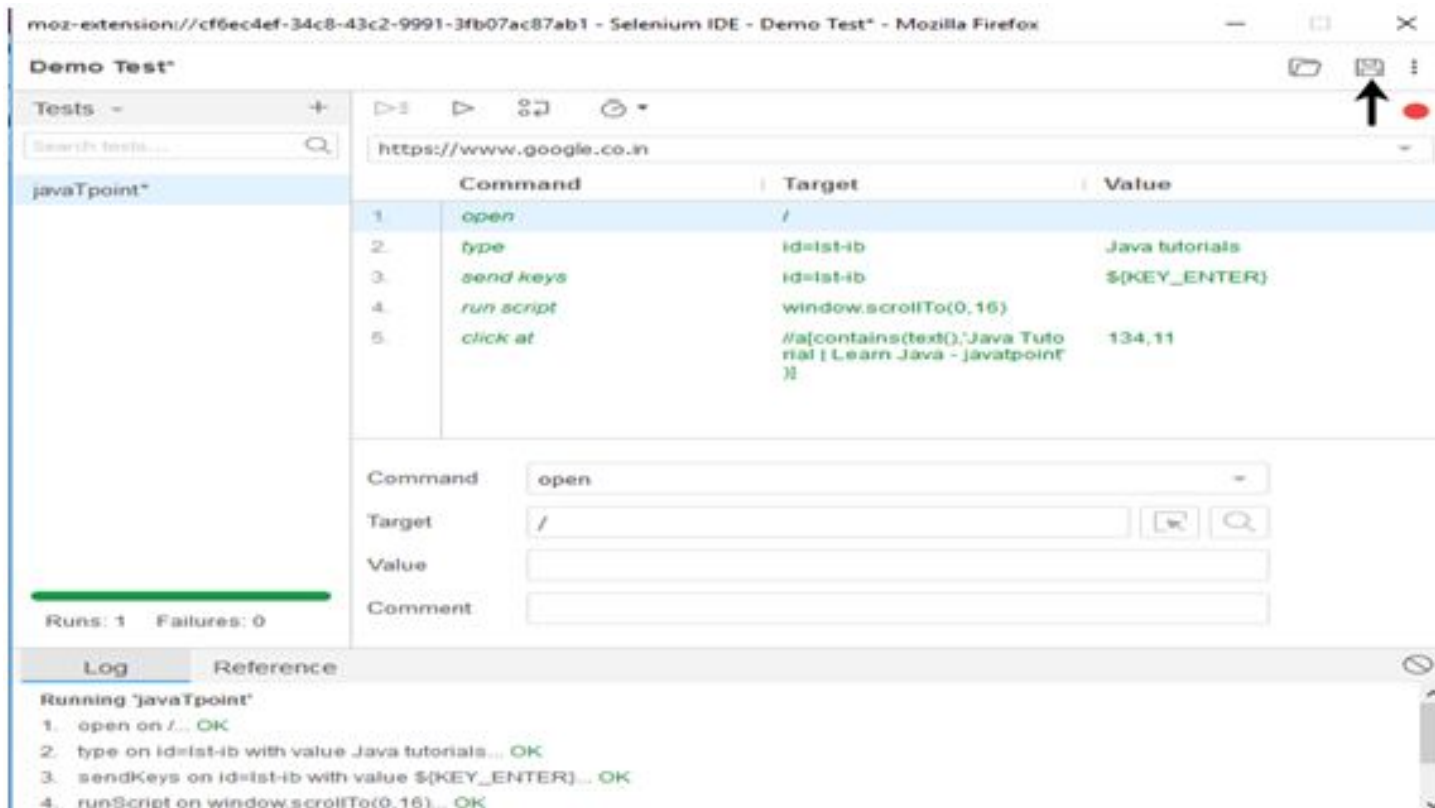
Comment:

Runs: 0 Failures: 0

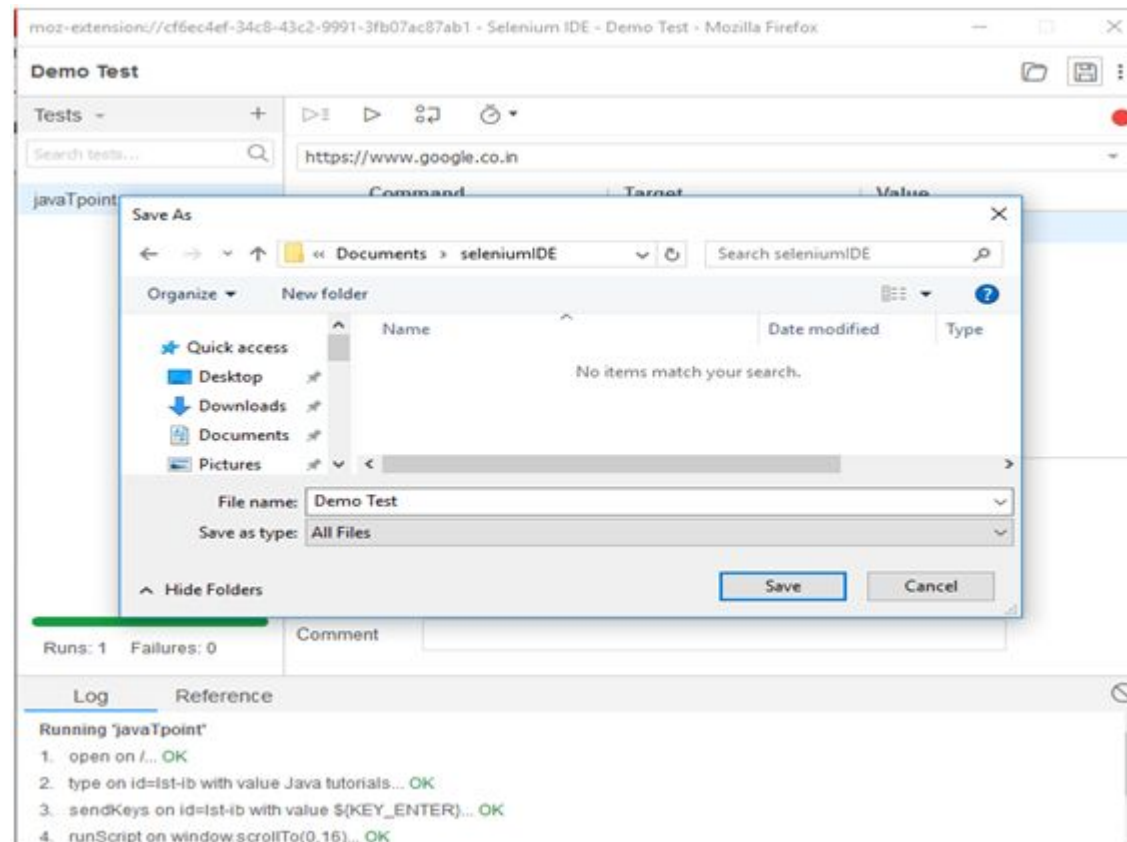
Log Reference

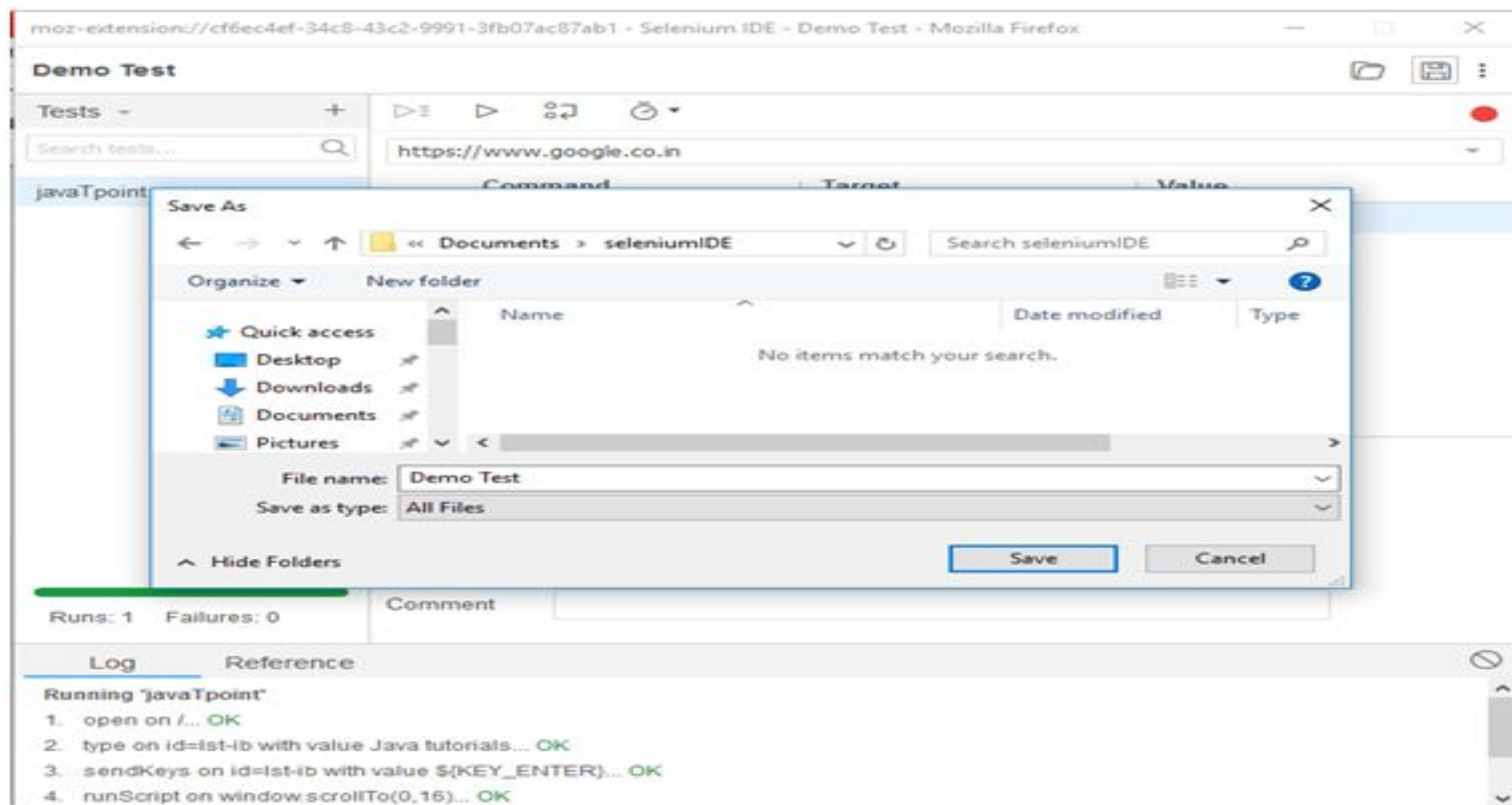
3. Saving the test suite

- Click on the save button present on the extreme right corner of the menu bar.




- Save the entire test suite as "Demo Test".





- The test suite can be found at the location provided in the above steps. Notice that the test script is saved in .side format.

Name	Date modified	Type	Size
 Demo Test.side	07-07-2018 12:49	SIDE File	2 KB