

Module_5 (Selenium IDE)

- What is Automation Testing?

Automated testing is **a process that validates if software is functioning appropriately and meeting requirements before it is released into production.** This software testing method uses scripted sequences that are executed by testing tools.

- Which Are The Browsers Supported By Selenium Ide?

Selenium IDE has add-ons for **Firefox and Chrome** browsers. Selenium IDE comes with a rich set of commands that are powered by Selenese and it allows you to record and test different interactions of a web application with the browser.

- What are the benefits of Automation Testing?

1. Saves Time and Money: Testing applications is a continuous process. ...
2. Increases Test Coverage: ...
3. Improves Accuracy: ...
4. Helps Achieve Continuous Testing: ...
5. Enables Reusability : ...
6. Offers Faster Feedback : ...
7. Improves Team's Morale : ...
8. Promises Information Security

- What are the advantages of Selenium?

Selenium is the most popularly used freeware and open source automation tool. The benefits of Selenium for Test Automation are immense. Importantly, it **enables record and playback for testing web applications and can run multiple scripts across various browsers.**

- Why testers should opt for Selenium and not QTP?

QTP can be used to test web, desktop applications, and client-server But **Selenium is used to test only web applications**. QTP UFT supports only code written in VB script. On the other hand, Selenium supports many languages, like PHP, Java, Ruby, Python, etc.

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1. To use assert
2. To use click and wait
3. To use locators
4. To use other command

The image shows a Windows desktop environment. In the foreground, a web browser window is open, displaying the homepage of T0PS Technologies Pvt. Ltd. The page has a dark theme with a navigation menu at the top containing links for Home, About Us, Services, and Contact Us. The main content area features a large heading "T0PS" and a subheading "Technologies Pvt. Ltd." followed by a paragraph about the company's services. Below this, there is a section titled "Our Services" with a list of services. The browser's address bar shows the URL "https://www.tops-int.com/". In the background, a code editor window is open, displaying the HTML source code of the page. The code is written in a dark theme with syntax highlighting. Line 19 of the code is highlighted, showing a meta tag for the page's title. The code editor's interface includes a file explorer on the left and a search bar at the top.

```
C:\Users\PANDYA\Downloads\www.tops-int.com.side - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
test_test1.py www.tops-int.com.side

62     "value": ""
63   }, {
64     "id": "e2a36dd7-17f2-4f70-95cf-c04655d82bc",
65     "comment": "",
66     "command": "mouseOut",
67     "target": "linkText-Placement",
68     "targets": [
69       ["linkText-Placement", "linkText"],
70       ["css:dropdown:nth-child(2) > .nav-link", "css:finder"],
71       ["xpath://a[contains(text(), 'Placement')]]/[2]", "xpath:link"],
72       ["xpath://div[@id='navbarNav']/ul/li[2]/a", "xpath:idRelative"],
73       ["xpath://a[contains(@href, 'https://www.tops-int.com/placements')]", "xpath:href"],
74       ["xpath://nav/div/div/ul/li[2]/a", "xpath:position"]
75     ],
76     "value": ""
77   }, {
78     "id": "5b5432aa-01e2-4ad6-93a0-37188d25ce1e",
79     "comment": "",
80     "command": "click",
81     "target": "linkText-Job Fest",
82     "targets": [
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84       ["css:show > li:nth-child(1) > dropdown-item", "css:finder"],
85       ["xpath://a[contains(text(), 'Job Fest')]", "xpath:link"],
86       ["xpath://div[@id='navbarNav']/ul/li[2]/ul/li/a", "xpath:idRelative"],
87       ["xpath://a[contains(@href, 'https://www.tops-int.com/job-fest')]", "xpath:href"],
88       ["xpath://li[2]/ul/li/a", "xpath:position"],
89       ["xpath://a[contains(., 'Job Fest')]", "xpath:innerText"]
90     ],
91     "value": ""
92   }, {
93     "id": "5a1d3365-43fe-490b-8788-78314c2dff89",
94     "comment": "",
95     "command": "click",
96     "target": "linkText-Courses",
97     "targets": [
98       ["linkText-Courses", "linkText"],
99       ["css:#courses-menu > .nav-link", "css:finder"],
100      ["xpath://a[contains(text(), 'Courses')]", "xpath:link"],
101      ["xpath://li[@id='courses-menu']/a", "xpath:idRelative"],
102      ["xpath://a[contains(@href, 'javascript:')]", "xpath:href"],
103      ["xpath://li/a", "xpath:position"],
104      ["xpath://a[contains(., 'Courses')]", "xpath:innerText"]
105    ],
106    "value": ""
107  }, {
108    "id": "32d63a2b-fb98-4425-93ee-d6c93a73255e",
109    "comment": "",
110    "command": "click",
111    "target": "linkText-Placement",
112    "targets": [

```