

MODULE-5

(SELENIUM IDE)

1) What is Automation Testing?

Automation Testing is a software testing technique that performs using special automated testing software tools to execute a test case suite. On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

2) Which Are The Browsers Supported By Selenium Ide?

Browsers supported by selenium are: Google chrome, Internet explorer 7 onwards, Safari, Opera, Firefox.

3) What are the benefits of Automation Testing?

- I. Automated Testing Saves Time and Money: Automated software testing can reduce the time to run repetitive tests from days to hours. A time savings that translates directly into cost savings.
- II. Vastly Increases Your Test Coverage: Automated software testing can reduce the time to run repetitive tests from days to hours. A time savings that translates directly into cost savings.
- III. Testing Improves Accuracy: Automated tests perform the same steps precisely every time they are executed and never forget to record detailed results. Testers freed from repetitive manual tests have more time to create new automated software tests and deal with complex features.
- IV. Automation Does What Manual Testing Cannot: Even the largest software and QA departments cannot perform a controlled web application test with thousands of users. Automated testing can simulate tens, hundreds or thousands of virtual users interacting with a network, software and web applications.
- V. Automated Testing Helps Developers and Testers: Tests can run automatically whenever source code changes are checked in and notify the team or the developer if they fail. Features like these save developers time and increase their confidence.

4) What are the advantages of Selenium?

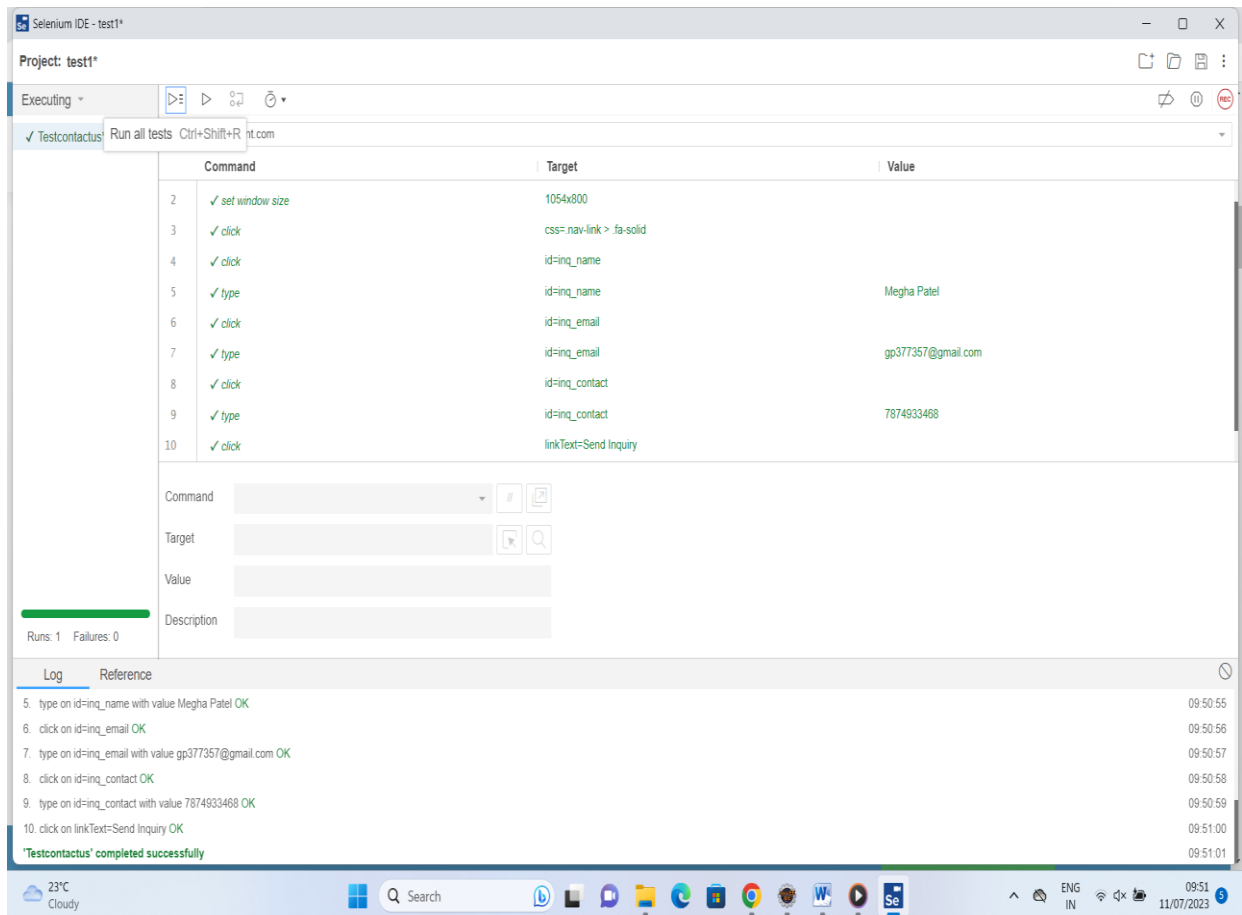
Selenium is an open-source automation testing tool and it is free of cost to use. Selenium provides high tester flexibility to write advanced and complex test cases. Supports test case execution on multiple operating systems such as Windows, Linux, Android, Mac, and iOS.

5) Why testers should opt for Selenium and not QTP?

Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.

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Successfully Run



Test Script

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{
  "id": "55aed9a2-ec36-480d-97a5-e2f963a6656f",
  "version": "2.0",
  "name": "test1",
  "url": "https://www.tops-int.com",
  "tests": [{
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    "name": "Testcontactus",
    "commands": [{
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      "comment": "",
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      "target": "/",
      "targets": [],
      "value": ""
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    "targets": []
  }],
}
```

```

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"xpath:idRelative"],
            ["xpath=//a/i", "xpath:position"]
        ],
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            ["name=name", "name"],
            ["css=.px-3 > div #inq_name", "css:finder"],
            ["xpath=//input[@id='inq_name']", "xpath:attributes"],
            ["xpath=//div[@id='course-
page']/section[2]/div/div/div[2]/div/div[2]/div/div/form/input",
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            ["xpath=//input", "xpath:position"]
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```

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        ["xpath=//div[@id='course-
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}, {
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        ["xpath=//div[@id='course-
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"xpath:idRelative"],
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    "comment": "",
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    "targets": [
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        ["xpath=//a[@type='button']", "xpath:attributes"],
        ["xpath=//div[@id='course-
page']/section[2]/div/div/div[2]/div/div[2]/div/div/form/div[3]/a",
"xpath:idRelative"],
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"xpath:href"],
        ["xpath=//div[3]/a", "xpath:position"],
        ["xpath=//a[contains(.,'Send Inquiry')]", "xpath:innerText"]
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}
}
}],
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    "parallel": false,
    "timeout": 300,
    "tests": ["540610b7-1a17-4866-9cca-8e3b6e04364f"]
}],
"urls": ["https://www.tops-int.com/"],
"plugins": []
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```