

Assignments Module – 5 (Selenium IDE)

1) What is Automation Testing?

- **Automation Testing** is a software testing technique that automates the process of validating the functionality of software and ensures it meets requirements before being released into production. With automated testing, an organization can run specific software tests at a faster pace without human testers.

2) Which Are The Browsers Supported By Selenium Ide?

- Selenium IDE supports multiple browsers, including **Chrome, Firefox, Safari, Internet Explorer, and Edge**. This allows users to test web applications across different browsers and ensure compatibility and consistent behaviour.

3) What are the benefits of Automation Testing?

- Efficiency.
- Productivity.
- Cost Savings.
- Compliance.
- Reduced Errors.
- Customer Satisfaction.
- Increasing Employee Satisfaction and Retention.
- Eliminate Paper-Based Processes.

4) What are the advantages of Selenium?

- The following list showcases the advantages of the Selenium testing tool that makes it the best among other automation testing tools.
- 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 scripts written in any user-preferred languages such as C#, Java, Perl, PHP, Python, and Ruby
- Supports test case execution on multiple operating systems such as Windows, Linux, Android, Mac, and iOS.

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- Supports testing on different web browsers such as Chrome, Firefox, Internet Explorer (IE), Opera, and Safari.
- Test cases can be executed while the browser window is minimized.
- Selenium supports parallel test execution.
- Selenium can be integrated with TestNG and JUnit to generate test reports and manage test cases.
- Selenium can be integrated with Jenkins, Docker, and Maven to attain continuous testing.

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

1. It is commercial tool and hence it requires a license is expensive
2. It is used mainly to test client-server applications. It can test web- based as well as desktop applications
3. QTP tests can only be developed using QTP IDE
4. It only supports VB script
5. It comes with built in object repository. So, object repository development and maintenance is quite easy.
6. It integrates with test management tool like HP Quality Center
7. All types of dialog box is supported by it.
8. It supports different environments like SAP, Oracle, .NET but user need to purchase add-on license for them
9. Automation testing is expensive due to licensing cost

So, the conclusion is that, if you are automating web application, Selenium should be the best choice for tester.

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