**🎯 MODULE 5: SELENIUM IDE 🎯**

**Que.1) What is Automation Testing?**

**Ans.** Automation Testing is the process of using software tools and scripts to automatically execute test cases, compare actual outcomes with expected results, and report defects — without human intervention.

➢It helps speed up testing, reduce manual effort, and improve test coverage and accuracy.

**Que.2) Which are the browser supported by Selenium Ide?**

**Ans.**

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| Browser | Supported | Notes |
| Google Chrome | Yes | Fully supported via Chrome Web Store extension |
| Mozilla Firefox | Yes | Fully supported via Firefox Add-ons site |
| Microsoft Edge | Yes | Install via Chrome Web Store or Edge Add-ons |
| Safari | No | Not officially supported by Selenium IDE |
| Internet Explorer | No | No support (obsolete and discontinued by Microsoft) |

**Que.3) What are the benefits of Automation Testing?**

**Ans.**

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| 1. Faster Execution |
| 2.Reusable Test Scripts |
| 3.Reduces Manual Effort |
| 4.Increases Test Coverage |
| 5.Improved Accuracy |
| 6.Detailed Reporting |
| 7.Supports CI/CD Pipelines |
| 8.Efficient Regression Testing |
| 9.Cost-Effective Long-Term |
| **Que. 4) What are the advantages Selenium?**  **Ans.**   |  | | --- | | 1.Open Source & Free | | 2.Cross-Browser Testing | | 3.Language Flexibility | | 4.Supports Multiple Testing Types | | 5.Supports Mobile Automation | | 6.Continuous Integration Support | | 7.Framework Integration | | 8.WebDriver is Powerful | | 9.Multi-OS Support | | 10.Rich Community Support  **Que. 5) Why testers should opt for Selenium and not QTP?**  **Ans.**   |  |  |  | | --- | --- | --- | | **Factor** | **Selenium** | **QTP (QuickTest Professional)** | | **Cost** | Free & Open Source | Commercial/License-based (Expensive) | | **Language Support** | Java, Python, C#, JavaScript, Ruby, Kotlin, etc. | Only VBScript | | **Browser Support** | Chrome, Firefox, Safari, Edge, Opera | Limited to Internet Explorer & legacy support for others | | **Platform Support** | Windows, Linux, macOS | Windows only | | **Test Coverage** | Web apps only (mobile with Appium) | Web + Desktop apps (native) | | **CI/CD Integration** | Excellent (Jenkins, GitHub Actions, Bamboo, etc.) | Supported, but more complex and costly | | **Mobile Support** | Yes (via Appium) | Limited and requires add-ons | | **Community Support** | Very large, active community | Smaller, vendor-driven community | | **Extensibility** | Highly extensible (can use any test frameworks) | Less flexible (mostly vendor-bound features) | | |
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