Module 5

Q 1. What is Automation Testing?

Ans. Automation Testing is the process of using software tools to automatically run test cases on an application, instead of doing it manually.

Q 2. Which Are The Browsers Supported By Selenium Ide?

Ans.

Google Chrome

Mozilla Firefox

Microsoft Edge (via Chrome extension support)

Q 3. What are the benefits of Automation Testing?

Ans. Benefits:

* Faster Execution – Tests run much quicker than manual testing
* Reusability – Test scripts can be reused across projects
* High Test Coverage – More tests can be executed in less time
* Repeatability – Ideal for regression and repetitive testing
* Saves Time & Effort – Reduces manual workload
* Cost-Effective Long-Term – Saves cost over time despite initial setup
* Accurate & Consistent – Eliminates human error
* Supports Continuous Testing – Fits well with CI/CD pipelines
* Better Reporting – Automated tools provide detailed test reports
* Cross-Platform Testing – Easily test on different devices/browsers

Q 4. What are the advantages of Selenium?

Ans. Advantages:

* Open Source – Free to use with no licensing cost
* Supports Multiple Browsers – Chrome, Firefox, Edge, Safari, etc.
* Cross-Platform Support – Works on Windows, macOS, and Linux
* Supports Multiple Programming Languages – Java, Python, C#, JavaScript, etc.
* Integration with Other Tools – Works with TestNG, Maven, Jenkins, etc.
* Supports Various Testing Types – Functional, Regression, Integration testing
* Supports Mobile Testing – Can be used with Appium for mobile apps
* Large Community Support – Easier to find solutions and help
* Flexible Test Design – Can design complex and customized test cases
* Powerful Browser Automation – Can automate any web-based task

Q 5. Why testers should opt for Selenium and not QTP?

Ans. Reasons for using selenium.

1. It is free and open-source
2. Supports multiple programming languages
3. Works on multiple operating systems
4. Supports all major browsers
5. Easily integrates with CI/CD tools
6. Has a large community and support
7. Offers flexibility and customization
8. Supports mobile automation via Appium