

Module-5

AUTOMATION AND SELENIUM

1) What is Automation Testing?

Ans. Automation Testing refers to the practice of using software tools and scripts to automate the execution of tests in software development and quality assurance processes. It involves creating scripts or test cases that can be run automatically, rather than requiring manual effort.

2) Which Are The Browsers Supported By Selenium Ide?

- FireFOX,
- Chrome,
- Edge,
- Safari.

3) What are the benefits of Automation Testing?

Ans.

- ❖ Lowered operating costs. ...
- ❖ Improved worker safety. ...
- ❖ Reduced factory lead times. ...
- ❖ Faster ROI. ...
- ❖ Ability to be more competitive. ...
- ❖ Increased production output. ...
- ❖ Consistent and improved part production and quality.

4) What are the advantages of Selenium?

Ans.

- Support for Major Languages
- Flexible Test Management
- Multi-Browser Use
- Easy Cross-Device Testing
- Simple Framework for Users
- Reusable Automation Test Suites
- Ease of Implementation

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

Ans.

SELENIUM	QTP
Open source, free to use, and free of charge	Commercial.
Highly extensible	Limited add-ons
Can run tests across different browsers	Can only run tests in Firefox , Internet Explorer and Chrome
Supports various operating systems	Can only be used in Windows
Supports mobile devices	Supports mobile devise using 3rd party
Can execute tests while the browser is Minimized to be visible on desktop	Needs to have the application under test
Can execute tests in parallel	Can only execute in parallel but using Quality Center which is again a paid produc