Assignments Module – 2 (Selenium IDE)

1. **What is Automation Testing?**

* Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes,
* the setting up of test preconditions, and other test control and test reporting functions.
* Commonly, test automation involves automating a manual process already in place that uses a formalized testing process.
* Although manual tests may find many defects in a software application, it is a laborious and time consuming process.
* In addition it may not be effective in finding certain classes of defects.
* Test automation is a process of writing a computer program to do testing that would otherwise need to be done manually.
* Once tests have been automated, they can be run quickly.This is often the most cost effective method for software products that have a long maintenance life, because even minor patches over the lifetime of the application can cause features to break which were working at an earlier point in time.

1. **Which Are The Browsers Supported By Selenium Ide?**

* Firefox
* Chrome

1. **What are the benefits of Automation Testing?**

* 70% faster than the manual testing
* Wider test coverage of application features
* Reliable in results
* Ensure Consistency
* Saves Time and Cost
* Improves accuracy
* Human Intervention is not required while execution
* Increases Efficiency
* Better speed in executing tests
* Re-usable test scripts
* Test Frequently and thoroughly
* More cycle of execution can be achieved through automation

Early time to market

1. **What are the advantages of Selenium?**

* Language and Framework Support
* Open-Source Availability
* Multi-Browser Support
* Support Across Various Operating Systems
* Ease Of Implementation
* Reusability and Integrations Flexibility
* Flexibility
* Parallel Test Execution and Faster Go-to-Market

1. **Why testers should opt for Selenium and not QTP?**

* Open source, free to use, and free of charge.
* Highly extensible
* Can run tests across different browsers
* Supports various operating systems
* Supports mobile devices
* Can execute tests in parallel