AUTOMATION TESTING

•What is Automation testing?

Ans: 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.

•Which are the browsers supported by selenium ide?

Ans: The supported browser include Mozilla Firefox, Google Chrome, Microsoft Edge, Safari, and Opera, among others. selenium webdriver allows you to write tests in various programming languages (including java,C#, python, and more) and execute them on different browsers using the corresponding webdriver implementations.

•What are the benefits of Automation Testing?

Ans:1. 70% faster than the manual testing

2. Wider test coverage of application features

3. Reliable in results

4. Ensures consistency

5. Saves Time and cost

6. Improves accuracy

7. Human intervention in not required while execution

8. Increases Efficiency

9. Better speed in executing tests

10. Re-usable test scripts

11. Test frequently and thoroughly

12. More cycle of execution can be achieved through automation

13. Early time to market

•What are the advantages of selenium?

Ans:1) Very easy to and install.

2) No programming experience is required, through knowledge of HTML and DOM are needed

3) can export tests to formats usable in selenium RC and webdriver

4) Has built-in-help and test results reporting module.

5) provides support for extensions.

•Why testers should opt for selenium and not QTP?

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| 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 |
| Support various operating systems | Can only be used in windows |
| Supports mobile device | Support mobile device using 3rd party software |
| Can execute tests while the browser is minimized to visible on the 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 product. |