**Assignment: Selenium IDE**

**Q: What is Automation testing?**

A: Automation testing is a process in which a program is written to do testing. Unlike manual testing, it takes less time to perform testing. It is very helpful when there are number of tests and time is less.

**Q: What are the browsers supported by Selenium IDE?**

A: Selenium IDE supports browsers such as Chrome, firefox, opera, internet explorer, safari, etc. across different platforms such as Windows, Mac, linux.

**Q: What are the benefits of automation testing?**

A: Benefits of automation testing are:

* Automation Testing is fast than manual testing.
* Multiple tests can be performed in parallel.
* Reduces time.
* Test scripts can be reused.
* If there are so many data to test, the best option is automation testing.
* It provides additional test coverage so it can perform maximum test coverage.
* Test execution can be done whole day unlike manual testing where it’s impossible because it requires human interaction.
* If there are number of tests, then in manual testing workforce required is more, but in automation the workforce required is less.
* Low business costs and better utilization of human resources.

**Q: What are the advantages of Selenium?**

A: Advantages of selenium are:

* It is an open source tool so anyone can download it and use it for free.
* It supports multiple programming languages such as ruby, java, python, PHP, C#, etc.
* It can support multiple browsers such as Chrome, firefox, internet explorer, safari, Microsoft edge, etc.
* It also supports multiple platforms like Windows, Mac and Linux.
* Multiple test scripts can be run in parallel.
* Test scripts can be reused.
* With the help of Selenium Grid, test scripts can be run remotely.
* Selenium community regularly releases constant updates and upgrades.

**Q: Why testers should opt for Selenium and not QTP?**

A: Advantages of Selenium over QTP:

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| **No.** | **Selenium** | **QTP** |
| 1 | Open source, free to use and free of charge. | It is for commercial use. |
| 2 | Highly extensible. | Limited add-ons. |
| 3 | Can run tests across different browsers. | Can run tests only in firefox, chrome and internet explorer. |
| 4 | Supports various operating systems. | Can only be used in windows. |
| 5 | Supports mobile devices. | Supports mobile devices with the help of third party software. |
| 6 | It can execute tests in parallel. | It can also run tests in parallel but with the help of Quality Center which is a paid product. |
| 7 | Can execute tests while the browser is minimized. | Needs to have the application under test to be visible on desktop. |