**Assignment No: -5 Selenium IDE**

**Q.] What is Automation Testing?**

**Ans: -** Automation Testing is the process of using specialized software tools or scripts to automatically execute test cases, compare actual outcomes with expected results, and manage test data and reporting, with the goal of reducing manual effort and increasing efficiency in the software testing process.

**Q.] Which Are the Browsers Supported by Selenium Ide?**

**Ans: -** Supports all browsers like Firefox, Mozilla, Microsoft edge.

**Q.] What are the benefits of Automation Testing?**

**Ans: -**

* **Speed:** Runs much faster than manual testing.
* **Reliable:** No human mistakes, same steps every time.
* **Repeatable:** Can test the same thing again and again**.**
* **Comprehensive:** Can cover all features of the application.
* **Reusable:** Same tests can be used for new versions.
* **Good for Regression Testing:** Saves effort when repeating old tests.
* **Load Testing:** Can create many virtual users to check system capacity.

**Q.] What are the advantages of Selenium?**

**Ans: -**Open Source, supports all browsers like IE, Firefox, Mozilla, Safari etc, Supports all Operating Systems. Supports all programming languages Java, Ruby, C# and Python, Run multiple tests at a time.

**Q.] 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 device using 3rd party software |
| Can execute tests while the browser is minimized | Needs to have the application under test to be visible on the desktop |
| Can execute tests in parallel | Can only execute in parallel but using Quality Centre which is again a paid product |