* **What is Automation Testing?**

**Automation Testing** is a software testing technique that performs using special automated testing software tools to execute a test case suite. On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

The automation testing software can also enter test data into the System Under Test, compare expected and actual results and generate detailed test reports. Software Test Automation demands considerable investments of money and resources.

* **Which Are the Browsers Supported by Selenium Ide?**

Selenium IDE has add-ons for Firefox and Chrome browsers. Selenium IDE comes with a rich set of commands that are powered by Selenese and it allows you to record and test different interactions of a web application with the browser.

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

The benefits of Automation Testing are as follows:

1. It saves time & Money
2. Increased test coverage
3. Improve Accuracy
4. Helps continuous testing
5. Enables reusability
6. Offers faster feedbacks
7. Improves team moral
8. Promises information security
9. Easy reporting makes life easier
10. Offer Scalability

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

**Some key benefits of Test Automation are:**

* Manual intervention is less, so the possibility of errors diminishes.
* It ensures higher ROI on the huge investments required initially.
* Automated tests make the process more reliable and the tests more dependable.
* Automation helps you find bugs at an early stage.
* You can test 24\*7 from a remotely–held device as well.
* It makes the test scripts reusable – need new scripts every time even with changes in the version of the OS on the device and the tests can recur without any errors.
* Most importantly, it enables testing in volumes. For instance, it allows you to run tests on thousands of mobile devices. Now, this is impossible with Manual Testing.
* **Why testers should opt for Selenium and not QTP?**

The Reasons That Selenium is better then QTP are as follows:

1. Selenium is the open-Source Testing tool whereas QTP is paid for use.
2. Selenium uses multiple languages whereas QTP is mostly VB Scripting environment.
3. Selenium allows you to write one script for any browser.
4. Selenium offers more scalability to software tester.
5. QTP doesn’t support several browsers.

* **How Load Runner interacts with the application?**

LoadRunner simulates user activity by generating messages between application components or by simulating interactions with the user interface such as keypresses or mouse movements. The messages and interactions to be generated are stored in scripts

* **What is the relationship between Response Time and Throughput?**

The response time for an average transaction tends to decrease as you increase overall throughput. However, you can decrease the response time for a specific query, at the expense of overall throughput, by allocating a disproportionate amount of resources to that query.

* **What is the difference between hits/second and requests/second?**

Hits/second are the number of HTTP requests made by VUsers to the Web Server in a scenario or session step run on a per second basis. Requests/second are the number of requests completed during each second of scenario run.