1. **Which components have you used in Load Runner?**

Ans:-

* Analysis
* Controller
* Virtual User Generator

1. **How can you set the number of Vusers in Load Runner**

Ans:- You can set the number of Vusers in the controller section while creating your scanerio. Many other advanced like ramp-up, ramp-down of Vusers are also available in the controller section.

1. **What is Correlation?**

Ans:- Correlation is a statistical measure that indicates the extent to which two or more variables fluctuate in relation to each other. A [positive correlation](https://www.techtarget.com/whatis/definition/positive-correlation) indicates the extent to which those variables increase or decrease in parallel; a [negative correlation](https://www.techtarget.com/whatis/definition/negative-correlation) indicates the extent to which one variable increases as the other decreases.

1. **What is the process for developing a Vuser Script?**

Ans:- There are 5 steps for developing a vuser script.

* recording the vuser script .
* edit the vuser script.
* runtime setting .
* run the vuser script in stand-alone mode.
* incorporate the vuser script into a load runner scenario.

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

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

1. **How many VUsers are required for load testing?**

Ans:- Concurrent virtual user calculation

For example, if you run a load test with 10,000 virtual users, each making a request every 20 seconds (3 requests per minute), then you're making 30,000 requests per minute, which equals 500 requests per second.

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

Ans:- Response time and throughput are related. 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.

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

Ans:- Hits per second means the number of hits the server receives in one second from the vuser. Request per second is the number of request the vuser will request from the server.

1. **What is Automation Testing?**

Ans:- **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.

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

Ans:- 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.

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

Ans:-

* 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?**

Ans:-

* Open source, free to use and free of charge
* Highly extensible
* Can run tests across different browser
* Supports various operating system
* Can execute test while the browser is minimize to be visible on the desktop
* Can execute tests in parallel

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

Ans:- Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.