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

The key components of LoadRunner are:

Vuser generator – For generating Scripts

Controller – For creating and executing scenarios

Analyzer – To analyze results.

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

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

1. **What is Correlation?**

Correlation in JMeter is the process of capturing and storing the dynamic response from the server and passing it on to subsequent requests.

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

There are four steps for developing a vuser script.

1- Record the Vuser Script.

2- Playback / Enhance the recorded vuser script.

3- Define the various run-time settings & check

4- Incorporate the script in a LoadRunner scenario.

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

Protocol is used in Load Runner to interact with the application.

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

The number of VUsers required depends on your system under test, network configurations, hardware settings, memory, operating system, software applications objective of a performance test. There can not be any generic value for Vuser.

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

The Throughput shows the amount of data in bytes that the Vusers received from the server in a second. When It is compared with transaction response time, throughput and response time get decreased.

The peak throughput and highest response time would occur approximately at the same time.

1. **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.

1. **What is Automation Testing?**

Automation testing is a type of software testing that involves automated test case execution using an automation tool.

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

Google Chrome, Safari, Mozilla Firefox, and Internet explorer.

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

* 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?**

• Open Source

• Supports all browsers like IE, Firefox, Mozilla, Safari

• Supports all Operating Systems.

• Supports all programming languages Java, Ruby, C# and Python.

• -Run multiple tests at a time.

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

Selenium can execute scripts on different browsers. QTP can run tests only in specific versions of Firefox, Chrome, and IE. Selenium can execute test scripts across various operating systems. QTP can work only on Windows.