* **Which components have you used in Load Runner?**
* Virtual generator
* Analyzer
* Controller
* Load generator
* **How can you set the number of Vusers in Load Runner?**
* In the vuser dialog box click add vuser,
* Add vuser dialog box open
* Quantity add to box
* Select the number of vuser

* **What is Correlation**
* Correlation is the capturing of dynamic values passed from the server to the client and back.
* We save this captured value into a LoadRunner parameter, and then use this parameter in the script in place of the original value.
* **What is the process for developing a Vuser Script?**
* Open a script in VuGen.
* Select File > User-Defined Templates > Export to Template.
* Enter a name and location for the template.
* Click OK to create the template.
* **How Load Runner interacts with the application?**
* LoadRunner is a software testing tool from Micro Focus.
* It is used to test applications, measuring system behaviour and performance under load.
* LoadRunner can simulate thousands of users concurrently using application software, recording and later analyzing the performance of key components of the application.
* **How many VUsers are required for load testing?**
* Example:
* Number of users per hour = 10. Number of requests per user = 10 number of web pages he accesses Length of user scenario = 10 min \* 60 = 600 second.
* **What is the relationship between Response Time and Throughput?**
* **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.**
* **What is the difference between hits/second and requests/second?**
* **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**.

* **What is Automation Testing?**

* Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.
* Commonly, test automation involves automating a manual process already in place that uses a formalized testing process.
* Although manual tests may find many defects in a software application, it is a laborious and time consuming process.
* In addition it may not be effective in finding certain classes of defects.
* Test automation is a process of writing a computer program to do testing that would otherwise need to be done manually.
* Once tests have been automated, they can be run quickly. This is often the most cost effective method for software products that have a long maintenance life, because even minor patches over the lifetime of the application can cause features to break which were working at an earlier point in time.
* **Which Are The Browsers Supported By Selenium Ide?**
* Firefox
* Chrome

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

* Language and Framework Support
* Open Source Availability
* Multi-Browser Support
* Support Across Various Operating Systems
* Ease Of Implementation
* Reusability and Integrations
* Flexibility
* Parallel Test Execution and Faster Go-to-Market
* **Why testers should opt for Selenium and not QTP?**
* Open source, free to use, and free of charge.
* Highly extensible
* Can run tests across different browsers
* Supports various operating systems
* Supports mobile devices
* Can execute tests in parallel.