**Module-4 Automation and Selenium**

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

* Load Generator

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

the number of V users in the controller section while creating your scenarios

1. **What is Correlation?**

Correlation is a statistical measure that indicates the extent to which two or more variables fluctuate in relation to each other

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

A user script may be created in four steps.

* Step 1- Record the Vuser Script.
* Step 2- Playback and improve the recorded user script.
* Step 3- Define and test the different run-time parameters.

●Step 4- Use the script in a LoadRunner scenario.

1. **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 key presses or mouse movements.

1. **How many V Users are required for load testing?**

10,000 virtual users

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

The response time for an average transaction tends to decrease as you increase overall throughput.

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

Hits per second mean the number of hits the server receives in one second from the user. Request per second is the number of requests the user will request from the server.

**Selenium IDE**

1. **What is Automation Testing?**

Automated testing is a software testing technique that automates validating software's functionality and ensures it meets requirements before being released into production.

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

Google Chrome, Internet Explorer 7 onwards, Safari, Opera, Firefox

1. **What are the benefits of Automation Testing?**
   * Faster Feedback Cycle.
   * Testing on Multiple Platforms in Parallel.
   * Reusability of Test Scripts.
   * Easy Data-driven Testing.

●Test Insights.

* + Maximum Test Coverage.
  + 24X7 Test Execution.
  + Scalability.

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

Selenium is an open-source automation testing tool and it is free of cost to use

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

Selenium is OS-independent and allows test scripts to run across all browsers