• Which components have you used in Load Runner?

- ➢ Load Generator
- ➢ VuGen
- ➢ Controller

• How can you set the number of Vusers in Load Runner?

- ➢ In that grid there's also a column for "*Vusers*".
- ➢ For your script the value will be set to 1 by default.
- ➢ If you want to increase that number, just double-click on the grid to edit the value.

• What is Correlation?

- ➢ Correlation is crucial for performance testing because many web applications rely on dynamic data that changes with each user interaction or request.
- ➢ If you don't capture and reuse these dynamic values, your test script might fail or behave incorrectly during playback.

• What is the process for developing a Vuser Script?

- ➢ Developing a Vuser script involves recording user actions, identifying the protocol, and then debugging and enhancing the script for realistic performance testing.

• How Load Runner interacts with the application?

- ➢ Load Runner interacts with an application by simulating user activity, generating messages between application components, and mimicking interactions with the user interface, such as key presses or mouse movements, to test its performance and scalability.

• How many VUsers are required for load testing?

- ➢ The number of virtual users (VUsers) required for load testing depends on several factors, including the application's performance goals, expected traffic patterns, and system capacity

• What is the relationship between Response Time and Throughput?

➢ **Throughput:**
➢ This refers to the amount of work a system can accomplish within a specific timeframe, often measured as transactions per second (TPS) or requests per second.

➢ **Response Time:**
➢ This is the time it takes for a system to process a request and return a response.

➢ **The Relationship:**
➢ Increased Throughput, Decreased Response Time
➢ Increased Response Time, Decreased Throughput

Selenium IDE)

• What is Automation Testing?

➢ Automation testing is a software testing technique that uses software tools and scripts to automate the execution of test cases, ensuring software functionality and meeting requirements efficiently and reliably.

• Which Are The Browsers Supported By Selenium Ide?

➢ Selenium IDE, a record and playback tool for web automation, is available as a browser extension for both Google Chrome and Mozilla Firefox.

• What are the benefits of Automation Testing?

➢ Automation testing offers numerous benefits.
➢ Faster execution
➢ Improved accuracy
➢ Enhanced test coverage
➢ Cost-effectiveness
➢ Early bug detection
➢ Better resource utilization

• What are the advantages of Selenium?

➢ Very easy to use and install.
➢ Cross-browser compatibility.
➢ Language flexibility.
➢ Easy implementation.
➢ Large community.
➢ Constant updates.

• Why testers should opt for Selenium and not QTP?

➢ Testers might prefer Selenium over QTP due to its open-source nature, flexibility with multiple browsers and programming languages, and broader community support.

➢ while QTP is a commercial tool with limited browser and language support.