

1) Which components have you used in Load Runner?

- Controller: Generates user load for an application and monitors web, app, and database servers during load testing.
- Analysis: Assembles logs from load generators and formats reports to visualize run results and monitor data.
- Vuser generator: Creates Vuser scripts using a record-and-playback principle. As a user walks through a business process, VuGen records their actions and converts them into Vuser scripts.
- Load generator: A key component of LoadRunner's architecture.
- Agent process: A key component of LoadRunner's architecture.

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

In the HP LoadRunner environment, Vuser scripts are used to emulate real-world business processes. Explore Vuser scripts, inserting transactions into scripts, and using parameters and correlation to provide flexibility and avoid errors.

3) What is Correlation?

A correlation is a statistical measure of the relationship between two variables. The measure is best used in variables that demonstrate a linear relationship between each other. The fit of the data can be visually represented in a scatterplot.

4) What is the process for developing a Vuser Script?

The process for developing a Vuser script involves the following steps:

- **Record the script:** Use the Virtual User Generator (VuGen) to record the script.
- **Playback and improve:** Playback the recorded script and improve it.
- **Define and test parameters:** Define and test the different run-time parameters.
- **Use the script:** Use the script in a Load Runner scenario.

5) How Load Runner interacts with the application?

Load Runner 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.

6) How many VUsers are required for load testing?

You can start with 100 VCU's and increase to 10,000 VCU's to see how your system scales. Cost-Effective: Instead of hiring thousands of real users to test a website, VCU's provide an economical way to simulate high traffic.

7) 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.

8) What is Automation Testing?

Automation testing is a type of software testing in which test cases are executed by a tester with using any automation tools.

9) Which are the Browsers Supported By Selenium Ide?

Selenium IDE is a browser extension that supports the following browsers:

- Google Chrome, Mozilla Firefox and Microsoft Edge.

10) What are the benefits of Automation Testing?

- Saving Costs
- Faster Feedback Loop
- Better Allocation of Resources
- Guarantees Higher Accuracy
- Increased Test Coverage
- Detects bugs earlier
- Test at Scale
- Maximizes ROI

11) What are the advantages of Selenium?

- Acts as a powerful antioxidant
- May reduce your risk of certain cancers
- May protect against heart disease
- Helps prevent mental decline
- Is important for thyroid health
- Boosts your immune system
- May help reduce asthma symptoms

12) Why tester should opt for Selenium and not QTP?

Browser support: Selenium supports more browsers than QTP/UFT, making it easier to test your application on different browsers.