

1. Which components have you used in Load Runner?

Ans:-

- Load Generator generates the load against the application by following scripts.
- VuGen (Virtual User Generator) for generating and editing scripts.
- Controller controls, launches and sequences instances of Load Generator - specifying which script to use, for how long etc.

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

Ans:- 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.

3. What is Correlation?

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

A positive correlation indicates the extent to which those variables increase or decrease in parallel; a negative correlation indicates the extent to which one variable increases as the other decreases.

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

Ans:-

- Step 1- Record the Vuser Script.
- Step 2- Playback and improve the recorded vuser script.
- Step 3- Define and test the different run-time parameters.
- Step 4- Use the script in a LoadRunner scenario

5. How Load Runner interacts with the application?

Ans:-

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. The messages and interactions to be generated are stored in scripts.

6. How many VUsers are required for load testing?

Ans:- Concurrent virtual user calculation For example, if you run a load test with 10,000 virtual users, each making a request every 20 seconds (3 requests per minute), then you're making 30,000 requests per minute, which equals 500 requests per second.

7. What is the relationship between Response Time and Throughput?

Ans:- 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.

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

Ans:- Hits per sec is the number of calls to the Webserver per second. And Request per sec is the number of request made to the webserver per second. Point to be notice here is "one Request may have many calls(Hits)".

9. What is Automation Testing?

Ans:- **Automation Testing** is a software testing technique that performs using special automated testing software tools to execute a test case suite. On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

10. Which Are The Browsers Supported By Selenium Ide?

Ans:- The supported browsers include Mozilla Firefox, Google Chrome, Microsoft Edge, Safari, and Opera, among others. Selenium WebDriver allows you to write tests in various programming languages (including Java, C#, Python, and more) and execute them on different browsers using the corresponding WebDriver implementations.

11. What are the benefits of Automation Testing?

Ans:-

- Benefits of automation testing. The advantages of automation testing are given as follows -
- Saves time.
- Productivity improvement.

- Accuracy improvement.
- Test suite reusability.
- Ability to test on various platforms.
- Running tests 24/7
- Early bug detection.

12. What are the advantages of Selenium?

Ans:-

- Language and Framework Support.
- Open Source Availability.
- Multi-Browser Support.
- Support Across Various Operations.
- Ease of Implementation.
- Reusability and Integrations.
- Flexibility.
- Parallel test execution and faster market launch.

13. Why testers should opt for Selenium and not QTP?

Ans:- Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.