

Assignments :-4

Module:- 4

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

Ans:- 1)Plan the test. Successful load testing requires that you develop a thorough test plan.

2)Create the Vuser scripts.

3)Design the scenario.

4)Run the scenario.

5)Monitor the scenario.

6)Analyze test results.

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

Ans:- 1)Run the actual test with a full load.

2)Collate the result after test completion.

3)Open the result file in the LoadRunner Analysis Tool.

4) Hover the mouse on the graph and get the “Number of Connections” value.

Q.3 What is Correlation?

Ans:- A Correlation is a Connection or Association. For automated test scripts, in practical terms, it means that the application has associated some information or data which is specific to a particular user session. A context has been established.

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

Ans:- Vusers emulate the actions of human users by performing typical business processes in your application. The actions that a Vuser performs

during the recording session are described in a Vuser script. HP's tool for creating Vuser scripts is the Virtual User Generator, VuGen.

Q.5 How Load Runner interacts with the application?

Ans:- The LoadRunner tool tests the performance of an IT system by simulating the actions of multiple simultaneous users, which generates load on the system, and then measuring the time the system takes to respond to user commands. Generally, as the load increases, the system slows down, and the response times increase.

Q.6 How many VUsers are required for load testing?

Ans:- 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.

Q.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.

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

Ans:- Hits/second are the number of HTTP requests made by VUsers to the Web Server in a scenario or session step run on a per second basis.

Requests/second are the number of requests completed during each second of scenario run

Q.9 What is Automation Testing?

Ans:- Automated testing is a software testing technique that automates the process of validating the functionality of software and ensures it meets requirements before being released into production.

Q.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.

Q.11 What are the benefits of Automation Testing?

Ans:- 1)Efficiency.

2)Productivity.

3)Cost Savings.

4)Compliance.

5)Reduced Errors.

6)Customer Satisfaction.

Q.12 What are the advantages of Selenium?

Ans:- 1) Language and Framework Support.

2)Open Source Availability.

3)Multi-Browser Support.

4)Support Across Various Operations.

5)Ease of Implementation.

6)Reusability and Integrations.

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

Ans:- Selenium 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.