

Module 4 (Automation Core Testing (Load Runner Up and Selenium IDE))

1. Which components have you used in Load Runner?

=> There are 3 components in Load Runner

1 Virtual User Generator.

2. Controller

3. Analyzer

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

=> 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?

=> correlation means extracting one or more values from the response of one request and then reusing them in subsequent requests.

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

=> 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?

=> 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 V Users are required for load testing?

=> 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?

=> 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?

=> 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.

9. What is automation testing?

=> A software testing technique that automates the process of validating the functionality of software and ensures it meets requirements before being released into production.

10. Which browsers are supported by selenium ide?

=> Mozilla Firefox, Internet Explorer, Google Chrome, Safari, Opera, Conqueror, others

11.What are benefits of automation testing?

=>speed, reliable, repeatable, comprehensive, reusable, automate your testing procedure when you lot have regression work, automate your load testing work for creating virtual users to check load capacity of your application.

12.What are advantages of selenium?

=>open source, free to use and free of charge.

=>highly extensible

=>can run test across different browser

=>supports various os

=>support mobile device, run multiple test at a time, supports all programming language likes java, ruby, c# and python

=>can execute tests while the browser is minimized to be visible on desktop

=>can execute test in parallel

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

=>Cost- because selenium is completely free

=>flexibility- because of a number of programming languages, browsers, and platforms it can support

=>parallel testing- something that QTP is capable of but only with use of quality center.