**Module-5 (Load Runner Up and Selenium IDE)**

Which components have you used in Load Runner?

Ans. The key components of LoadRunner are: Load Generator generates the load against the application by following scripts. VuGen(Virtual User Generator) for generating and editing scripts. Controller controls, launches & sequences instances of LoadGenerator – specifying which script to use for how long etc.

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

nsIn the Vusers dialog box, click the Add Vuser(s)button. The Add Vusers dialog box opens. From the Quantity to add box, select the number of Vusers that you want to add to the group.

What is Correlation?

Ans. Correlation is the process of extracting some value from the response of one step into the request of another step. It captures and stories the dynamic response from the server & passes it on to subsequent requests.

What is the process for developing a Vuser Script?

Ans. **There are 5 steps for developing a vuser script.**

1. recording the vuser script .
2. edit the vuser script.
3. runtime setting .
4. run the vuser script in stand-alone mode.
5. incorporate the vuser script into a load runner scenario.

How Load Runner interacts with the application?

Ans. LoadRunner is a software testing tool from Micro Focus. It is used to test applications, measuring system behaviour and performance under load. LoadRunner can **simulate thousands of users concurrently using application software, recording and later analyzing the performance of key components of the application**.

How many VUsers are required for load testing?

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.

What is the difference between hits/second and requests/second?

Ans. Hits per second means the number of hits the server receives in one second from the vuser. Request per second is the number of request the vuser will request from the server.

To test the Performance testing on “Tops Technologies website” :- https://www.tops-int.com/

1. to Record all top level menu

2. to Record minimum 10 Vuser on this website

3. save all (Script,Design,Graph)

create a normal script of above website with correlate using hp default website.

**(Selenium IDE)**

What is Automation Testing?

Ans. Automation testing is a Software testing technique to test and compare the actual outcome with the expected outcome.

Which Are The Browsers Supported By Selenium Ide?

Ans. Selenium IDE has add-ons for Firefox and Chrome browsers. Selenium IDE comes with a rich set of commands that are powered by Selenese and it allows you to record and test different interactions of a web application with the browser.

What are the benefits of Automation Testing?

Ans. The benefits of Automation Testing are mention below.

1. 70% faster than the manual testing
2. Wider test coverage of application features
3. Reliable in result
4. Ensure consistency
5. Save time & cost
6. Improves accuracy
7. Increases efficiency
8. Better speed in executing tests
9. Reusable test script
10. Early time to market

What are the advantages of Selenium?

Ans. Selenium is the most popularly used freeware and open source automation tool. The benefits of Selenium for Test Automation are immense. Importantly, it enables record and playback for testing web applications and can run multiple scripts across various browsers.

Why testers should opt for Selenium and not QTP?

Ans. Selenium executes tests within the browser, so not much attention is needed during script execution. QTP tool acts by mimicking user actions on the browser; hence it needs attention from the tester. Selenium can run tests in parallel with Selenium Grid.

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1. To use assert

2. To use click and wait

3. To use locators

4. To use other command