**Automation and selenium**

1. Which components have you used in load runner?

V-user generator – For generating Scripts.

Controller – For creating and executing scenarios.

Analyzer – To analyse results.

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

 You can set the number of V-users in the controller section while creating your scenarios. Many other advanced options like ramp-up, ramp-down of V-users

are also available in the Controller section.

1. What is correlation?

'**Correlation**' term refers to the handling of dynamic values coming from the server. These dynamic values are the unique values that are generated by the server for security purposes like the session ID, **authorization** token etc.

1. What is the process for developing a V-user Script?

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

1. 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.

1. 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.

1. To test the Performance testing on “Tops Technologies website” :- <https://wwwsaucedemo.com/>

* To Record all op level menu

To Record minimum 10 V-user on this website

Save all (Script, Design, Graph)

https://drive.google.com/file/d/1s8pkheWZhJ22YCiwsU2Fs4AgSOQoduGt/view?usp=drive\_link

1. Create a normal script of above website with correlate using hp default website.

<https://drive.google.com/file/d/1s8pkheWZhJ22YCiwsU2Fs4AgSOQoduGt/view?usp=drive_link>

1. What is Automation Testing?

Test automation is the use of software to control the execution of the tests the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions and other Test control and test reporting functions

**Approach to test automation**

* **Code-driven testing**
* **Graphical user interface testing**

1. Which Are the Browsers Supported By Selenium Ide?

The supported browsers include Mozilla Firefox, Google Chrome,

Microsoft Edge, Safari, and Opera, among others.

1. What are the benefits of Automation Testing? 1011010

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

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

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