**Assignment 4**

**Q1. Which components have you used in Load Runner?**

->Load Generator

VuGen (Virtual User Generator)

Controller

Agent process

Analysis

**Q2. How can you set the number of Vusers 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.

**Q3. What is Correlation?**

-> Correlation is a process of capturing and storing the dynamic response from the server and passing it in the subsequent requests.

**Q4. 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 Load Runner scenario.

**Q5. 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. The messages and interactions to be generated are stored in scripts.

Q6. How many VUsers are required for load testing?

->1000

Q7. What is the relationship between Response Time and Throughput?

->Response time and throughout are related. The response time for an average transaction tends to decrease as you increase overall thoroughput

Q8. What is Automation Testing?

->Test Automation is a process of writing a computer program to do testing that would otherwise need to be done manually

Q9. Which Are The Browsers Supported By Selenium Ide?

->Opera

Safari

Mozilla

Firefox

Google Chrome

Microsoft Edge

Q10. What are the benefits of Automation Testing?

->Speed

Reliable

Repeatable

Comprehensive

Reusable

Q11. What are the advantages of Selenium?

->Very easy to use

No Programming experience is required

Provide support for extensions

Can Export tests to formats usable in Selenium RC and WebDriver

Has built-in help and test results reporting module.

Q12. Why testers should opt for Selenium and not QTP?

->Because selenium supports a wide range of programming languages.

QTP test scripts run only on the Windows environment. They cannot be run across all browsers

Selenium is OS independent and allows tests scripts to run across all browsers