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

**1) Which components have you used in Load Runner?**

Virtual user generator

Controller

Analyzer

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

We have to add the particular script which we want to run. There we have to set the number of V users to run for that script, but you have to add V users depending on the your load runner license for how many V users it supports.

**3) What is Correlation?**

To connect session with user is called correlation.

**4) What is the process for developing a V user Script?**

A V user script may be created in four steps.

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 load runner scenario

**5) How Load Runner interacts with the application?**

Virtual user generator

Controller

Analyzer

**6) What is the relationship between Response Time and Throughput?**

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.

**7) What is Automation Testing?**

Automation testing refers to the practice of using software tools and scripts to automate the execution of tests in software development and quality assurance processes. It involves creating scripts or test cases that can be run automatically, rather than requiring manual effort.

**Komal shah 1**

**8) Which Are The Browsers Supported By Selenium Ide?**

Edge

Safari

Firefox

Chrome

**9) What are the benefits of Automation Testing?**

Faster feedback

Increased test coverage

Cost saving

Early bug detection

Lowered operating costs

Improved worker safety

Reduced factory lead times

Increased production output

**10) What are the advantages of Selenium?**

Support for major languages

Flexible test management

Multi browser use

Open source

Cross-platform support like windows, macOS, and Linux.

Multiple language support like java, Python, Ruby , and JavaScript

Ease of implementation

**11) Why testers should opt for Selenium and not QTP?**

Cost

Selenium : open-source and free to use, making it highly cost-effective.

QTP : primarily supports internet explorer and limited support for other browsers.

Programming Language support

Selenium: Allows more languages such as Java, Python, Ruby, JavaScript and Kotlin.

QTP : uses VBScript for scripting, limiting testers to one programming language.

Test execution

Selenium : supports parallel test execution and remote execution through selenium grid speeding up the testing process.

QTP : while it supports parallel execution, it is generally slower and less scalable compared to selenium grid.

**Komal shah 2**