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

Which components have you used in Load Runner?

* 1)Virtual user generator, 2)Analysis, 3)Controller

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

* After passed the script 1)Click on tools menu 2)select create controller scenario 3)select number of vusers to 1 to 10 4) Click on ‘OK’ button.
* What is Correlation?
* What is the process for developing a Vuser Script?
* 1)Click on ‘tools’ menu of virtual user generator 2)select create control scenario 3)increase the number of vusers to 10 4)Click on ‘OK’ button 5) select initialize vusers to every 10 second then click on ‘Apply’ & ‘OK’ button 6)select start vusers to every 5 second then click on ‘Apply’ and ‘OK’ button 7)click on duration and set it to every 30 second and click on ‘Apply’ and ‘OK’ button. 8)Click on stop vusers ans set the timing to every 10 second. 9)click on ‘Run’ tab and then click on ‘Start scenario’ button.
* How Load Runner interacts with the application?

How many VUsers are required for load testing?

* There are 10(ten) Vusers are required for load testing.

What is the relationship between Response Time and Throughput?

* The relationship is: higher response time - lower throughput and vice versa.

SELENIUM IDE

What is Automation Testing?

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

Commonly, test automation involves automating a manual process already in place that uses a formalized testing process.

Which Are The Browsers Supported By Selenium Ide?

* 1)Mozilla firefox and 2)Chrome
* What are the benefits of Automation Testing?
* Following are the Benefits of Automation Testing:-

1)70% faster than the manual testing 2)Wider test coverage of application features 3)Reliable in results 4)Ensure Consistency 5)Saves Time and Cost 6)Improves accuracy 7)Human Intervention is not required while execution 8)Increases Efficiency 9)Better speed in executing tests 10)Re-usable test scripts 11)Test Frequently and thoroughly 12)More cycle of execution can be achieved through automation 13)Early time to market.

* What are the advantages of Selenium?
* Following are the advantages of Selenium:-

1. Very easy to use and install. 2)No programming experience is required, through knowledge of HTML and DOM are needed 3)Can export tests to formats usable in Selenium RC and WebDriver 4)Has built-in help and test results reporting module. 5)Provides support for extensions.

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

* Here are Advantages of Selenium over QTP :-

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| **Selenium** | **QTP** |
| Open source, free to use, and free of charge | Commercial |
| Highly extensible | Limited add-ons |
| Can run tests across different browsers | Can only run tests in Firefox , Internet Explorer and Chrome |
| Supports various operating systems | Can only be used in Windows |
| Supports mobile devices | Supports mobile devise using 3rd party software |
| Can execute tests while the browser is minimized to be visible on the desktop | Needs to have the application under test |
| Can execute tests in parallel. | Can only execute in parallel but using Quality Center which is again a paid product |