**Module-4** automation core testing ( Load Runner Up and selenium IDE)

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

* **Load generator: It is used to generate the load against the application by running** the script.
* VuGen: It is used for generating and editing scripts.
* Controller: It is used to control, launch and sequence the instance of a load generator.
* Agent Process: It is used to manage the connection between the controller and load generator instances.
* Analysis: It assembles the logs from different load generators and formats the reports for visualization of results and monitoring data.

1. **How can you set the number of Vusers in Load Runner?**

We 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.

1. **What is Correlation?**

Correlation is used to obtain data which is unique for each run of your test script. While recording, these dynamic values are hard-coded in your script causing the script to fail during playback. Correlation is a technique where dynamic values are not hard-coded in your script but are extracted at run-time to avoid failure.

1. **What is the process for developing a Vuser Script?**

* There are four steps for developing a vuser script.
* Record the Vuser Script.
* Playback / Enhance the recorded vuser script.
* Define the various run-time settings & check
* Incorporate the script in a LoadRunner scenario

1. **How Load Runner interacts with the application?**

Protocol is used in load Runner to interact with the application.

1. **How many VUsers are required for load testing?**

The number of VUsers required depends on your system under test, network configurations, hardware settings, memory, operating system, software applications objective of a performance test. There can not be any generic value for Vuser.

1. **What is the relationship between Response Time and Throughput?**

* The Throughput shows the amount of data in bytes that the Vusers received from the server in a second. When It is compared with transaction response time, throughput and response time get decreased.
* The peak throughput and highest response time would occur approximately at the same time.

1. **What is the difference between hits/second and requests/second?**

* Hits per second mean 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.

**9. To test the performance testing on ‘’Tops Technologies website’’ :-** [**https://www.tops-int.com/**](https://www.tops-int.com/)

**1) To record all top level menu**