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

1.Which components have you used in Load Runner?
- **Load Generator** generates the load against the application by following scripts
  - **VuGen** (Virtual User Generator) for generating and editing scripts
  - **Controller** controls, launches and sequences instances of Load Generator - specifying which script to use, for how long etc. During runs the Controller receives real-time monitoring data and displays status.
  - **Agent process** manages connection between Controller and Load Generator instances.
  - **Analysis** assembles logs from various load generators and formats reports for visualization of run result data and monitoring data.

2.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.

3.What is Correlation?
Correlation is the fundamental concept and the first challenge faced by the performance testers while scripting the business processes for load testing. Correlation is used to capture the dynamic values returned by the server.

4.What is the process for developing a Vuser Script?
A vuser script may be created in four steps.

- **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 LoadRunner scenario.

5.How Load Runner interacts with the application?
LoadRunner 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.

6.How many VUsers are required for load testing?
you can start with 100 VCUs and increase to 10,000 VCUs to see how your system scales.

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

The response time for an average transaction tends to decrease as you increase overall throughput.