**Module 4 Defect Management**

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

**A**: 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

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

**A**: Go to LoadRunner installation folder C:Program Files (x86)HPLoadRunnerdatprotocols find.lrp file that is corresponding to the protocol you use to create VuGen Script.

1. **What is Correlation?**

**A:**  The correlation term refers to the handling of dynamic values coming from the server.

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

**A:**  **process for developing a Vuser Script**

1. Record the Vuser Script using the appropriate protocol and actions.
2. Edit and enhance the recorded Vuser Script to add logic, parameters, checkpoints, etc.
3. Define the runtime settings for the Vuser Script, such as iterations, pacing, log level, etc.
4. Run the Vuser Script in stand-alone mode to verify its functionality and performance.
5. Incorporate the Vuser Script into a LoadRunner scenario to run it with multiple Vusers.
6. **How Load Runner interacts with the application?**

**A**: 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.

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

**A:** The calculated Vuser would be a predicted value which could be changed if some other programs run on the LG at the same time (i.e. during test execution).

To verify the correctness of the formula, you can first calculate the Vuser count on the LG and try to run the same number of Vuser test on that machine (LG).

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

**A:** Response time and throughput are related. 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.