**Assignment- hp load runner**

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

**Vuser generator** - For generating Scripts Controller - For creating and executing scenarios Analyzer - To analyze results

**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. Many other advanced options like ramp-up, ramp-down of Vusers are also available in the Controller section.

**What is Correlation?**

A correlation coefficient is**a bivariate statistic when it summarizes the relationship between two variables,** and it’s a**multivariate statistic when** you have more than**two variables.**

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

There are 5 steps:

* planning the test.
* creating the vuser script.
* creating the scenario.
* running the scenario.
* analyze the test result.

**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 keypresses or mouse movements. The messages and interactions to be generated are stored in scripts.

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

Ideally, you could test with as many virtual users as you need. In practice, this may be too expensive because [load testing](https://www.microfocus.com/en-us/what-is/load-testing) software is priced on the number of concurrent virtual users.

**What is the relationship between Response Time and Throughput**

Ideally, response time is**directly proportional** to throughput during the user ramp-up period. If throughput decreases with an increase in response time then it indicates instability of application/system. Ideally, response time and throughput should be constant during steady state.

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

**hits** per **second** means no of hits made by the client to the server. **request**/**sec** means how many **requests** that made by the client in one second.