**Module - 4**

(Automation core testing**)**

1. **Which component have you used in load runner ?**

**Ans. load runner use virtual user**

**generator ,**

**controller ,**

**analysis .**

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

**Ans.  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.**

1. **What is Correlation?**

**Ans. Correlation refers to the statistical relationship between two entities. In other words, it's how two variables move in relation to one another. Correlation can be used for various data sets, as well. In some cases, you might have predicted how things will correlate, while in others, the relationship will be a surprise to you. It's important to understand that correlation does not mean the relationship is causal.**

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

**Ans. n this topic:**

* [**About user-defined templates**](https://admhelp.microfocus.com/vugen/en/2022-2022-r2/help/WebHelp/Content/VuGen/104250_t_how_to_create_templates.htm#mt-item-0)
* [**Create a Vuser script template**](https://admhelp.microfocus.com/vugen/en/2022-2022-r2/help/WebHelp/Content/VuGen/104250_t_how_to_create_templates.htm#mt-item-1)
* [**Create a Vuser script from a template**](https://admhelp.microfocus.com/vugen/en/2022-2022-r2/help/WebHelp/Content/VuGen/104250_t_how_to_create_templates.htm#mt-item-2)
* [**Rename a Vuser script template**](https://admhelp.microfocus.com/vugen/en/2022-2022-r2/help/WebHelp/Content/VuGen/104250_t_how_to_create_templates.htm#mt-item-3)
* [**Template guidelines**](https://admhelp.microfocus.com/vugen/en/2022-2022-r2/help/WebHelp/Content/VuGen/104250_t_how_to_create_templates.htm#mt-item-4)

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

**Ans. 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.**

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

**Ans. Chances are you'll also see a bottleneck when testing 10,000 virtual users at three requests per second. On the other hand, if testing with 5,000 virtual users at six requests per second doesn't identify any bottlenecks, you might have a false negative.**

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

**Ans. 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.**

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

**Ans. Hits/second are the number of HTTP requests made by VUsers to the Web Server in a scenario or session step run on a per second basis. Requests/second are the number of requests completed during each second of scenario run.**

1. **Create a normal script of above website with correlate hp default website.**

**Ans.** 