

# **Software Testing Assignment**

## **Module 4**

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

There are three types of components of load runner which are mention below.

1. Virtual User Generator
2. Controller
3. Analysis

### **2. How can you set the number of V-users in Load Runner?**

- Step 1: Start HP web tours server
- Step 2: Start HP web App
- Step 3: Start Virtual user generator
- Step 4: Click on file menu and select new option.
- Step 5: Give script name and solution name then click on create.
- Step 6: Click on record button.
- Step 7: After generate script click on correlate option.
- Step 8: Then after set V-users create in load runner.

### **3. What is the process for developing a V-user Script?**

- Step 1: Start HP web tours server
- Step 2: Start HP web App
- Step 3: Start Virtual user generator
- Step 4: Click on file menu and select new option.
- Step 5: Give script name and solution name then click on create.
- Step 6: Click on record button.
- Step 7: Then after generate script.

### **4. How Load Runner interacts with the application?**

Load Runner is a software testing tool from Micro Focus. It is used to test applications, measuring system behavior and performance under load. Load Runner can simulate thousands of users concurrently using application software, recording and later analyzing the performance of key components of the application.

### **5. How many V-Users are required for load testing?**

Minimum 10 users for load testing.

## 6. What is Correlation?

The process of capturing and storing the dynamic response from the server and passing it on to subsequent requests.

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

**Response time:** This is the time difference between submission of a request until the response begins to be received. The response time should be as low as possible so that a large number of interactive users receive an acceptable response time.

**Throughput:** The number of processes that are completed per unit time is called the throughput.

## 8. What is the difference between hits/second and requests/second?

Hits per second means the number of hits the server receives in one second from the v-user. Request per second is the number of request the v-user will request from the server.

## 9. What is Automation Testing?

Automation Testing is a software testing technique that performs using special automated testing software tools to execute a test case suite.

## 10. Which Are The Browsers Supported By Selenium IDE?

Google Chrome and Mozilla Firefox both browser supported.

## 11. What are the benefits of Automation Testing?

1. Saves Time and Money
2. Increases Test Coverage
3. Improves Accuracy
4. Easy Reporting Makes Life Easier

## 12. What are the advantages of Selenium?

1. Very easy to use and install.
2. No programming experience is required, though knowledge of HTML and DOM are needed.
3. Can export tests to formats usable in Selenium RC and WebDriver
4. Has built-in help and test results reporting module. Provides support for extensions.

### 13. Why testers should opt for Selenium and not QTP?

Selenium IDE	QTP
It's open source and free to use.	It's not open source.
It's highly extensible.	It's limited add-ons.
It's support in all browsers.	It's support chrome, mozilla and explorer.
It's work in various operating system.	It's work in only windows OS.