

## Module-4(Automation core Testing-Load runner up and Selenium IDE)

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### **Q1.) Which components have you used in load runner?**

There are three components used in load runner. Virtual user generator, controller, analysis.

### **Q2.) How can you set the number of Vusers in load runner?**

You can set the numbers of Vusers in the controller section while creating your scenarios many others advanced options likes ramp-up, ramp-down of Vusers are also available in the controller section.

### **Q3.) What is correlation?**

Correlation is the capturing of dynamic values passed from the server to the client and back. We saved the captured value into a load runner parameter, and then use this parameters in the script in place of original value.

### **Q4.) What is the process of developing a Vuser script?**

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.

### **Q5.)How load runner interacts with the application?**

load runner simulates user activity by generating messages between application and components or by simulating interactions with the user interface such as key processes or mouse movements. The messages and interactions to be generated are stored in scripts.

### **Q6.) How many Vusers are required for load testing?**

For example, if you run a load test with 10000 virtual users, each making a request every 20 seconds (3 requests per minutes), then you are making 30000 requests per minute, which equals 500 requests per minute.

**Q7.)What is relationship between response time and throughput?**

The response time for an average transaction tends to decrease as you increase overall throughput. However you decrease the response time for specific query, at the expense of overall throughput, by allocating a disproportionate amount of resources to that query.

**Q8.) What is the difference between hits/second and request/second?**

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

**Q9.) What is automation testing?**

A software testing techniques that automates the process of validating the functionality of software and ensures its meet requirements before being release into production.

**Q10.) Which are browser supported by selenium IDE?**

Mozilla firefox, internet explorer, google chrome, safari, opera conqueror, others

**Q11.) What are benefits of automation testing?**

Speed, reliable, repeatable, comprehensive, reusable, automate your testing procedure when you lot have regression work, automate your load testing work for creating virtual users to check load capacity of your application.

**Q12.) What are advantages of selenium?**

- Open source, free to use and free of charge.
- Highly extensible
- Can run test across different browser
- Supports various os
- Support mobile device, run multiple test at a time, supports all programming language likes java, ruby, c# and python
- Can execute tests while the browser is minimized to be visible on desktop
- Can execute test in parallel

**Q13.) Why testers should opt for selenium and not QTP?**

- Cost- because selenium is completely free
- flexibility- because of a number of programming languages, browsers, and platforms it can support
- parallel testing- something that QTP is capable of but only with use of quality center.