Module 4

Software testing assignment

1)Which components have you used in load runner?

Ans:-

Load Generator - it is used to generate the load against the application by running the script.

VuGen - it is used for generating and editing scripts.

Controller - it is used to control,launch and sequence the instance of a load Generator.

Agent Process - it is used to manage the connection between the controller and load Generator instances.

Analysis - it assembles the logs from different load Generator and formats the reports for visualization of results and monitoring data.

2)How can you set the number of Vusers in Load Runner?

Ans:- We can set the number of Vusers in the controller section while creating your scenarios.

3)What is Correlation ?

Ans:- Correlation is the capturing of dynamic values passed from the server to the client and back.

4)What is the process for developing a Vuser script?

Ans:- A Vuser script may be created in four steps

1-record the Vuser script

2-playback and improve the recorded Vuser script

3-define and test the different run time parameters

4-use the script in a load runner scenario

5)How load runner interacts with the application?

Ans:- load runner simulates user activity by generating messages between application components or by simulating interactions with user interface such as key presses or mouse movements.

6)How many Vusers are required for load testing?

Ans:- For HTTP(S) test each load injector can handle approximately up to 1000 concurrent HTTP users.For web page or web application test each load injector can handle approximately up to 25 concurrent users.

7)What is the relationship between Response time and Throughput?

Ans:- Response time and Throughput are inversely proportional. i.e with increase in response time throughput should decrease.with increase in throughput response time should decrease.

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

Ans:- Hits per second is the number of calls to the webserver per second. And request per second is the number of request made to the webserver per second.

9)What is Automation testing?

Ans:- Automation testing is a software testing technique that automates the process of validating the functionality of software and ensure it meets requirements before being released into production.

10)Which are the browsers supported by Selenium Ide ?

Ans:- Google Chrome , Internet explorer 7 , safari , opera , firefox .

11)What are the benefits of Automation testing?

Ans:-

~saves time

~productivity improvement

~accuracy improvement

~test suite reusability

~ability to test on various platforms

~running tests 24/7

~early bug detection

12)What are the advantages of selenium?

Ans:- selenium is an open source automation testing tool and it is free of cost to use. Selenium provides high tester flexibility to write advanced and complex test cases. Supports test case execution on multiple operating systems such as windows, Linux , Android, Mac and iOS.

13)Why testers should opt for selenium and not QTP ?

Ans:- selenium is OS independent and allows test scripts to run across all browsers.