**Module 4**

• How to create step for to open the developer option mode ON?

Tap Quick settings developer tiles to add selected developer options to your Quick Settings panel. Once you select one or more of the available tiles, shown in figure 2, open the Quick Settings panel and tap the pencil to enter edit mode.

• Which components have you used in Load Runner?

This can be used for analysis and generating reports. Load Runner has 4 Components: Virtual Generator, Analyzer, Controller and Load Generator.

• 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?

Correlation in performance testing is used to account for dynamic values. Many web applications have dynamic data that changes every time the user runs that web application. Web applications often need to track user’s interactions as they navigate through their website while preserving their state between navigations. Session ids for example are used by server engines such as ASP, ASP.NET, JSP and PHP to manage sessions. These session ids will change each time the page is loaded.

• What is the process for 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.
* Step 4- Use the script in a LoadRunner scenario.

• 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 key presses or mouse movements. The messages and interactions to be generated are stored in scripts.

• How many VUsers are required for load testing?

For example, if you run a load test with 10,000 virtual users, each making a request every 20 seconds (3 requests per minute), then you're making 30,000 requests per minute, which equals 500 requests per second.

• What is the relationship between Response Time and Throughput?

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.

• 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 vuser. Request per second is the number of request the vuser will request from the server.

• What is Automation Testing?

Automation testing is the process of testing software and other tech products to ensure it meets strict requirements. Essentially, it’s a test to double-check that the equipment or software does exactly what it was designed to do. It tests for bugs, defects, and any other issues that can arise with product development.

• Which Are The Browsers Supported By Selenium Ide?

 Google Chrome, Mozilla Firefox, and Microsoft Edge

* What are the benefits of Automation Testing?

**Let's look at the major benefits of automated testing that helps organizations speed up their testing and development processes.**

* Faster Feedback Cycle. ...
* Testing on Multiple Platforms in Parallel. ...
* Reusability of Test Scripts. ...
* Easy Data-driven Testing. ...
* Test Insights. ...
* Maximum Test Coverage. ...
* 24X7 Test Execution. ...
* Scalability.

• What are the advantages of Selenium?

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.

• Why testers should opt for Selenium and not QTP?

With Selenium grid, you have the ability to run as many tests as you want. Further, you can achieve this when you need and in parallel. You will just need a browser so that you can run the test. With QTP testing tool, there is no resource like selenium grid and hence selenium takes preference here.