1.which components have you used in load runner?

A.

Load runner is a software testing tool from [open text](https://en.wikipedia.org/wiki/OpenText). It is used to test [applications](https://en.wikipedia.org/wiki/Application_software), measuring system behaviour and performance under load.

->. Load runner can simulate millions of users concurrently using application software, recording and later analyzing the performance of key components of the application whilst under load.

->. Load runner 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. Load runner can generate the scripts by recording them, such as logging [http](https://en.wikipedia.org/wiki/HTTP) requests between a client web browser and an application's web server.

2.how can you set the number of vusers in load runner?

A.

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

3.what is correlation?

A.

Correlation is the process of extracting some value from the response of one step into the request of another step.

It captures and stores the dynamic response from the server and passes it on to subsequent requests.

Correlation is a statistical measure that indicates the extent to which two or more variables fluctuate in relation to each other

4.what is the process for developing a vuser script?

A.

Creating vuser script for emulate the action that virtual user perform during the scenario execution

There are 5 steps for developing a vuser script.  
  
1-recording the vuser script .  
  
2-edit the vuser script.  
  
3-runtime setting .  
  
4-run the vuser script in stand-alone mode.  
  
5-incorporate the vuser script into a load runner scenario.

5.how load runner interacts with the application?

A.

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6.how many vusers are required for load testing?

A.

Considering that cost is often proportional to the number of concurrent [virtual users](http://techbeacon.com/virtual-testing-how-build-army-testers-cloud),

->. the question arises: Instead of testing with 10,000 virtual users and 3 requests per minute, can you test with fewer users and more requests per second and get the same test results

->. After all, you're hitting the back end with the same total number of requests per minute.

7.what is the relationship between response time and throughput?

A.

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.

->. Conversely, you can maintain overall throughput by restricting the resources that the database allocates to a large query.

->. The trade-off between throughput and response time becomes evident when you try to balance the ongoing need for high transaction throughput with an immediate need to perform a large decision-support query.

->. The more resources that you apply to the query, the fewer you have available to process transactions, and the larger the impact your query can have on transaction throughput.

->. Conversely, the fewer resources you allow the query, the longer the query takes.

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

A.

Hits per second means the number of hits the server receives in one second from the vuser.

->. A hit is simply a request to your server for a single file.

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

->. Hits per second represents the number of requests sent to the server in one second.

9. to test the performance testing on “tops technologies website” :- https://www.topsint.com/

1. To record all top level menu

2. To record minimum 10 vuser on this website

3. Save all (script, design, graph)

10. Create a normal script of above website with correlate using hp default website.

A.

Selenium ide)

11. what is automation testing?

A.

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

->. The automation testing software can also enter test data into the system under test, compare expected and actual result and generate detail test reports.

->. Software test automation demands considerable investments of money and resources.

12. which are the browsers supported by selenium ide?

A.

Firefox and crome.

13. what are the benefits of automation testing?

A.

1. Faster Feedback Cycle

With test automation, organizations can reduce the time needed to complete a feedback cycle for new software features. If the testers can provide input about the software to the development team faster, then the development team can fix the bugs in the code more quickly.

2. Testing on Multiple Platforms in Parallel

Cross-browser compatibility is an important feature that needs to be checked during the software development process.

3. Reusability of Test Scripts

As developing test cases take a lot of time and effort, the reusability of test scripts is a major advantage of automated testing.

4. Easy Data-driven Testing

One of the critical benefits of test automation is data-driven testing. With data-driven testing, testers can evaluate all functionalities involving numerous data sets.

5. Test Insights

While testing applications manually, testers need to share the inputs of the tests with each other manually to understand how many test scripts have been written and what all errors have been fixed.

14. what are the advantages of selenium?

A.

The following list showcases the advantages of the Selenium testing tool that makes it the best among other automation testing tools.

->. 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 scripts written in any user-preferred languages such as C#, Java, Perl, PHP, Python, and Ruby

->. Supports test case execution on multiple operating systems such as Windows, Linux, Android, Mac, and iOS.

->. Supports testing on different web browsers such as Chrome, Firefox, Internet Explorer (IE), Opera, and Safari.

15. why testers should opt for selenium and not qtp?

A.

Selenium supports Firefox, IE, Opera, Safari on operating systems like Windows, Mac, Linux etc.

->. However, QTP is limited to Internet Explorer on Windows.

16. to validate the tops technologies website contact us page and enter your friend detail at last “guest call back” <https://www.tops-int.com/contact-us/>

17. to validate the tops technologies website contact us page and enter your friend detail at last “guest call back” <https://www.tops-int.com/contact-us/>

1. To use assert

2. To use click and wait

3. To use locators

4. To use other comman