**Which components have you used in Load Runner?**

1. Virtual user generator
2. Controller
3. Analyser

**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?**

* When Section and detail cor-relate means section and detail both are processed only when combined its called correlation.

**What is the process for developing a Vuser Script?**

A vuser script may be created in four steps.

* 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?**

Minimum 10 vusers are required for load testing.

**What is the relationship between Response Time and Throughput?**

* 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.

**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.

**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)**

Esc

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

Attach File : Session1

**Selenium IDE**

**What is Automation Testing?**

* Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.
* Commonly, test automation involves automating a manual process already in place that uses a formalized testing process.

**Which Are The Browsers Supported By Selenium Ide?**

The supported browsers are :

Chrome, Firefox, Safari, Internet Explorer, Edge, UC Browser,

Opera, etc.

**What are the benefits of Automation Testing?**

Benefits of Automation Testing :

* 1. 70% faster than the manual testing
  2. Wider test coverage of application features
  3. Reliable in results
  4. Ensure Consistency
  5. Saves Time and Cost
  6. Improves accuracy
  7. Human Intervention is not required while execution
  8. Increases Efficiency
  9. Better speed in executing tests
  10. Re-usable test scripts
  11. Test Frequently and thoroughly
  12. More cycle of execution can be achieved through automation
  13. Early time to market

**What are the advantages of Selenium?**

Advantages of Selenium

1. Open source, free to use, and free of Charge.
2. Highly extensible
3. Can run tests across different browsers
4. Supports various operating systems
5. Supports mobile devices
6. Can execute tests while the browser is minimized to be visible on the desktop
7. Can execute tests in parallel.

**Why testers should opt for Selenium and not QTP?**

1. Selenium open source, free to use, and free of Charge. When QTP is Commercial.
2. Selenium Highly extensible When QTP Limited add-ons.
3. Selenium can run tests across different browsers when QTP Can only run tests in Firefox , Internet Explorer and Chrome.
4. Selenium supports various operating systems when QTP can only be used in Windows.
5. Selenium supports mobile devices when QTP supports mobile devise using 3rd party software.
6. Selenium Can execute tests while the browser is minimized to be visible on the desktop when QTP Needs to have the application under test
7. Selenium can execute tests in parallel when QTP can only execute in parallel but using Quality Center which is again a paid product.

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**1. To use assert**

**2. To use click and wait**

**3. To use locators**

**4. To use other command**

Attach File : Tops Technology.side