**Software Testing Assignment Module-5**

1. **Which component have you used in Load Runner?**

* **Vuser generator**- For generating Scripts
* **Controller-** For creating and executing scenarios
* **Analyzer-** To analyze results

1. **How can you set the number of Vusers in Load Runner?**

* We set the number of Vuser in the controller section while creating scenarios.

1. **What is Corelation?**

* Correlated data is data which is sent to the client from the server, and later sent back to the server by the client
* Dynamic data is correlated automatically by the client application (running in the browser) while recording a script.

1. **What is process of 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 loadrunner scenario

1. **How Load Runner interacts with the application?**

* LoadRunner interacts with application based on protocols

1. **How Many VUsers are required for load testing?**

* 100 vusers

1. **What is relationship between Response time and throughput?**

* The response time for an average transaction tends to decrease as you increase overall throughputs.
* We can decrease the response time for a specific query, at the expense of overall throughputs, by allocating a disproportionate amout of response to that query.

1. **What is Difference between hits/second and Request/second?**

|  |  |
| --- | --- |
| **Hits/second** | **Request/second** |
| Hits per second is number of calls to webserver | Request per sec the number of request made to webserver per second |
| Hits per second are number of HTTP request made by Vusers to the web server in scenario of session step run on per second basic | Request per second are number of requests completed during each second of scenario run |

1. **To test the performance testing on “Tops Technologies website”:-**

[**https://www.tops-int.com/**](https://www.tops-int.com/)

1. **to Record all Top level menu**
2. **to Record minimum 10 Vuser on this website**
3. **save all (Script, Design, Graph)**
4. **create a normal script of above website with corelate using hp default website.**

**(Selenium IDE)**

1. **What is automation testing?**

* Automated testing is a process that validates if software is functioning appropriately and meeting requirements before its released into production.

1. **Which are the browsers supported by selenium ide?**

* Selenium IDE has add-ons for Firefox and chrome browsers. Selenium ide comes with a rich set of commands that are powered by selenese and it allows you to record and test different `interactions of a web application with the browser.

1. **What are the benefits of automation testing?**

* Test automation reduces the instance of human errors, generating consistent and reliable results every time. This means higher quality, reduces bug-fixing cost, lesser effort, and higher productivity for teams

1. **What are the advantages of selenium?**

* Selenium the most popularly used freeware and open Source automation tool. The benefits for test automation are immense. Importantly, it enable record and playback for testing web application and can run multiple scripts across various browsers.

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

* With QTP, it supports VB scripting language whereas selenium offers more power and flexibility. Therefore, those using java.net, python and ruby can use selenium since it accommodates all these scripting languages.

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3. **To use assert**
4. **To use click and wait**
5. **To use locators**
6. **To use other commands**