**ASSIGMENT -5**

1. **What components have used in load runner?**

Virtual user generator, Controller and Analysis are the components used in the load runner.

**2) How can you set the number of V users in load runner?**

**Ans:**           In the V users dialog box, click the Add V user(s) button. The Add V users dialog box opens. From the Quantity to add box, select the number of V users that you want to add to the group.

1. **What is correlation?**                **Ans:**     Correlation term refers to the handling of dynamic values coming from the server. It is data which is sent to the client from the server, and later sent back to the server by the client.

1. **What is the process for developing a V user Script?**

* Click on New User
* Select the new Virtual User from the list of protocols
* Click OK
* The required header files are automatically included in the script.

**5 ) How Load Runner interacts with the application?**

              Load Runner simulates user activity by generating messages between application components or by simulating interactions with the user interface such as keypresses or mouse movements.

**6) How many V users are required for Load testing**?

            Peak load will be 500 V users.

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

            Response time measures the performance of an individual transaction or error while Throughput measures the overall performance of the system.

1. **What is the difference between hits/second and requests/second?**

              Hits/second are the number of HTTP requests made by V users to the Web Server in a scenario or session step run ona per second basis.

                Requests/second are the number of requests completed during each scenario run.

**(Selenium IDE**)

1. **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.

1. **Which are the browsers supported by Selenium IDE?**

                   Selenium IDE support fire fox and Chrome.

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

* 70% faster than the manual testing
* Wider test coverage of application features
* Reliable in results
* Ensure Consistency
* Saves Time and Cost
* Improves Accuracy
* Human Intervention is not required while execution
* Increases Efficiency
* Better speed in executing tests
* Re – useable test scripts
* Test frequently and Thoroughly
* More cycle of execution can be achieved through automation

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

* Very easy to use and install
* No programming experience is required, through knowledge of HTML and DOM are needed
* Can export tests to formats usable in Selenium RC and web Driver
* Has built-in help and test results reporting module
* Provides support for extensions

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

               Testers should opt for Selenium and not QTP because Selenium outweighs QTP in three main reasons:

         Cost (because Selenium is completely free)

          Flexibility (because of a number of programming languages, browsers, and platforms it can support)

            Parallel (something that QTP is capable of but only with use of Quality Control).