

TECHGENX

Jmeter

Please Note: All below course content will be covered in practical scenarios and regular assignments will be shared. All sessions will be recorded and shared with student for future reference (free of cost). Along with below course.

- 1. Jmeter Introduction**
- 2. Advantages of Jmeter over other Performance testing tools**
- 3. Jmeter Installation and Configuration**
- 4. Jmeter Tool overview**
- 5. Recording the Jmeter Scripts**
- 6. Important Player Tips for Best learning Experience:**
- 7. Recording the application under test with Jmeter**
- 8. Recording and playback Jmeter Scripts**
- 9. Recording in Chrome with Blazemeter extension**
- 10. How to put load and analyse performance metrics**
- 11. Importance of Thread Group in Jmeter**
- 12. Applying Load on application with Thread group**
- 13. What are Listeners? and importance of View Results Tree**
- 14. Listeners to monitor the Load testing results**
- 15. Different type of Listeners and their usage in gathering Performance metrics**
- 16. Advanced Thread Group Methods for Real time load with Jmeter**
- 17. Additional Plugins to set Advanced load configuration**
- 18. Concurrency Thread Group & Ultimate thread Group usage**
- 19. Http Cookie Manager to capture sessions**
- 20. Why we need to add cookie manager in tests?**
- 21. Usage of cookie Manager in jmeter tests**
- 22. Assertions in Jmeter**
- 23. How to validate Jmeter tests- Pass/Fail status**
- 24. Different types of Assertions which can you use on Jmeter tests**
- 25. Sample Application to Practice Jmeter Tool**
- 26. Webtours Application**
- 27. Jmeter controllers for Modules wise Metrics**
- 28. How controllers helps to track performance of Modules of application**
- 29. Importance of Transaction controller and Simple controller**

30. InterLeave Controller Usage on Jmeter tests
31. Runtime and Random Controllers usage in Jmeter
32. if and Loop controller Importance for Stress testing
33. Timers in Jmeter
34. Timers usage in Jmeter
35. Constant Throughput Timer Importance
36. Importance of Regular expressions in Jmeter
37. Why we need regular expression extractor concept in Jmeter
38. Practical example on Flight search Application with Regex Extractor
39. Combining multiple expressions into Single extractor
40. Data Driven testing with Jmeter
41. How to Datadrive the data into application
42. Datadriven Testing with Jmeter example
43. Datadriven code dump
44. Handling Dynamic Responses -Advanced Jmeter-2
45. What is Correlation?
46. Steps to identify correlation and analysing it
47. Regular expression importance in Parsing the response
48. Regular expressions code
49. Handling Correlation with Scripting techniques
50. Jmeter validations in Non GUI Mode
51. Commands to run tests on non GUI Mode
52. Monitoring results in Non GUI execution
53. Importance of Blaze meter for cloud execution
54. Jmeter Distributed Mode in running tests in Slave machines
55. Importance of Client server architecture Mechanism
56. Step by step example to run tests on Slave from Client machine
57. Beanshell Scripting basics for Jmeter
58. Beanshell Scripting Introduction
59. Beanshell Scripting Basics & Variables
60. Generating Dynamic values with Beanshell sampler
61. Beanshell Post processor Validations
62. Beanshell sampler code dump
63. Timers code dump
64. Integration of Selenium with Jmeter
65. Selenium Integrating with Jmeter
66. Setting up Junit testcases into jmeter

- 67.Selenium Jmeter Testcase example-htmlunit Driver**
- 68.REST API Load Testing using Jmeter**
- 69.REST API Basics -Importance of testing them**
- 70.REST API requests types discussion**
- 71.Creating REST API testcase in Jmeter**
- 72.Google API key generation**
- 73.Load Testing on REST API**
- 74.REST API code dump**
- 75.Monitoring Server performance**
- 76.Importance of Server Monitoring**
- 77.Yourkit Profiler tool for Server Monitoring**
- 78.Example showing different server performance graphs**