Steps to JMeter Load Testing- Project

Automation Testing Stream

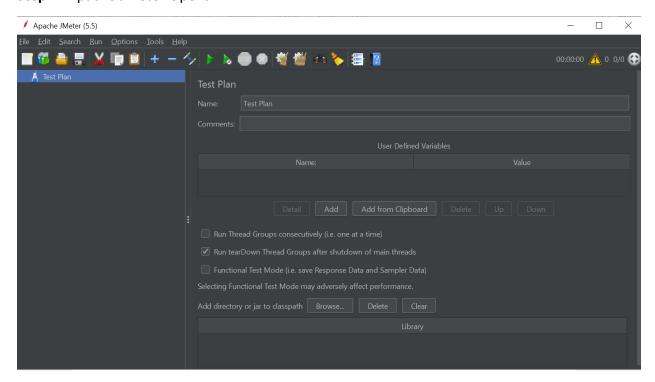
NAME- KRITTIKA AGRAWAL

Contents covered in this document-

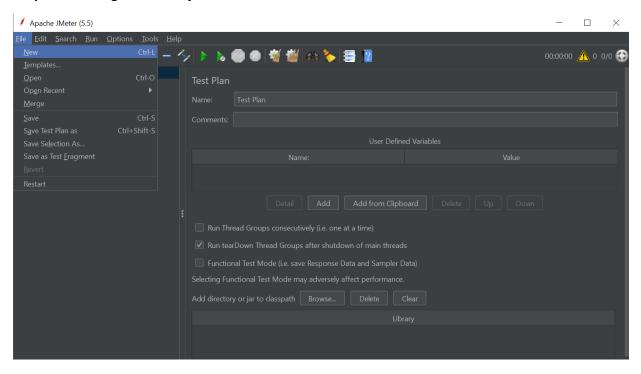
- 1. Creating a Project- OrangeHRM
- 2. Creating a Thread Group
- 3. Creating various HTTP Request(Samplers)
- 4. Creating a user defined variables-"url" to be accessed globally
- 5. Added Response Assertions to check
- 6. Added various listeners including Assertion Results to view results/outputs
- 7. Firstly, tried running for minimum 20 users
- 8. Then, started for 50 users
- 9. Then, increased and started with 100 users
- 10. Finally, increased and started with 200 users to test Load Testing.
- 11. And viewed results and noted the execution time for each case.

Step-1: Opening the JMeter file.

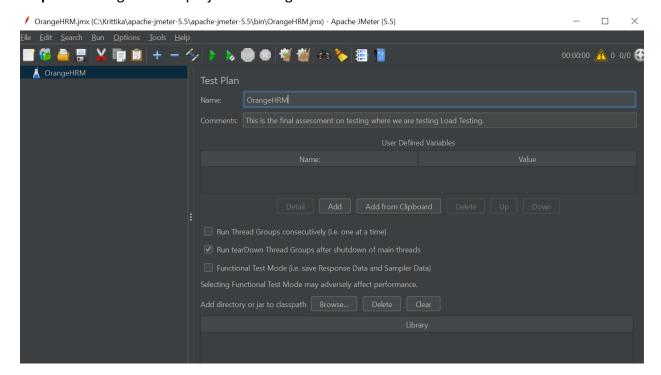
Step-2: Apache JMeter Opens.



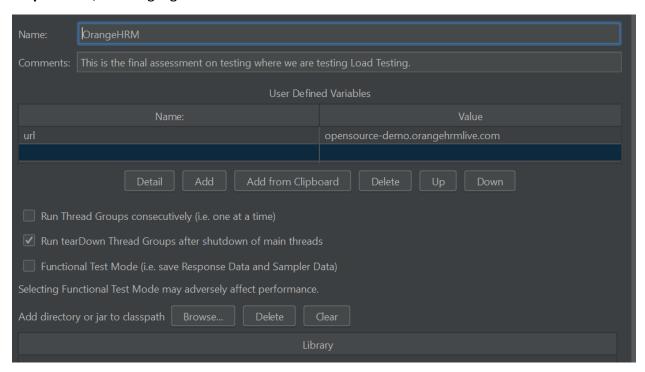
Step-3: Creating a New Project.



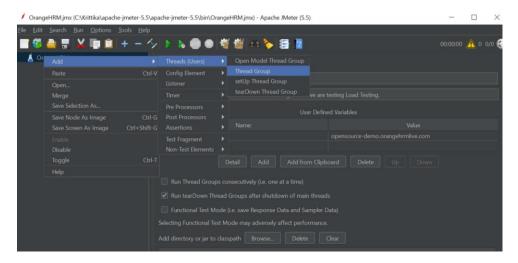
Step-4: - Adding name of project as OrangeHRM.



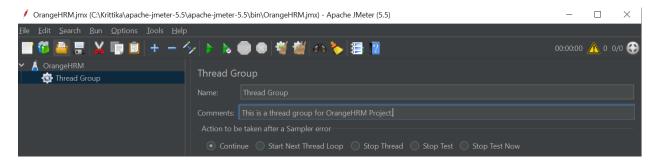
Step-5: Now, Creating a global- User Defined variable named "url".



Step-6: Creating a New Thread Group for Project- OrangeHRM.



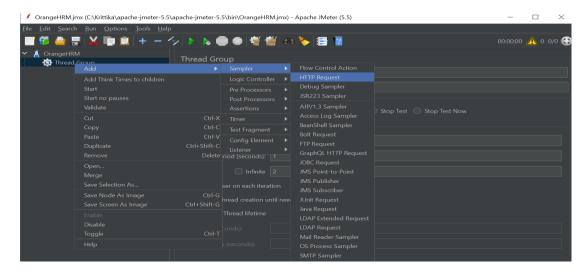
Step-7: Created Thread Group and added comments.



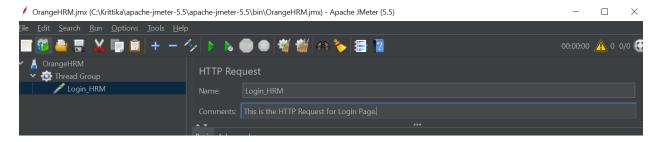
Step-8: Created Thread Group with following Credentials.



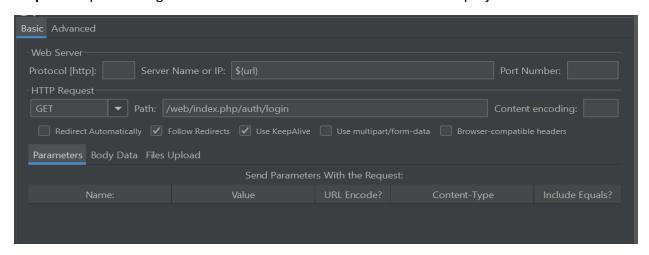
Step-9: Added Samplers for the thread group of the project of type-"HTTP Request".



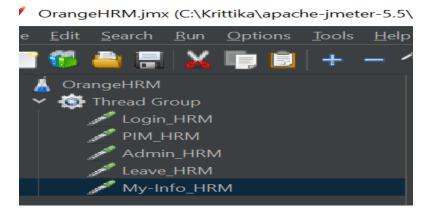
Step-10: After adding sampler, given the names of the HTTP Request and added the comments.



Step-11: Implementing User Defined variable for "url" created under project.

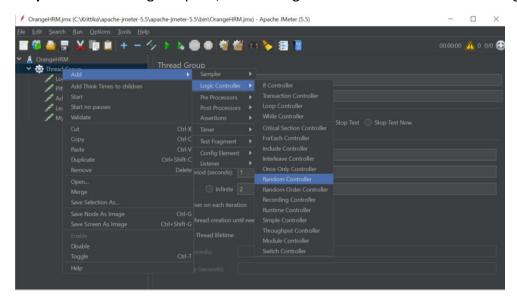


Step-12: Similarly, added different HTTP Request for Thread Group.



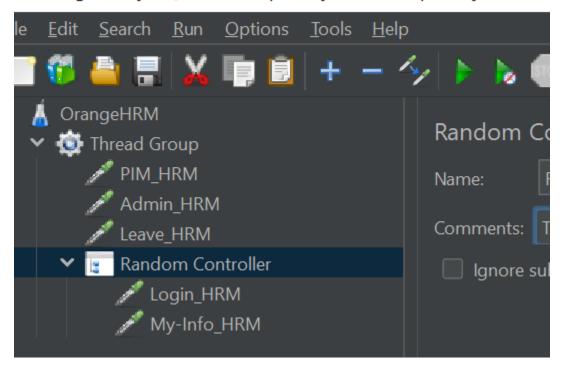
Similarly, added other Samplers- HTTP Request and given them names, added comments and also implemented the user defined variable-"url" for all Samplers.

Step-13: After adding samplers, now adding the Random Controllers from Logic Controllers.

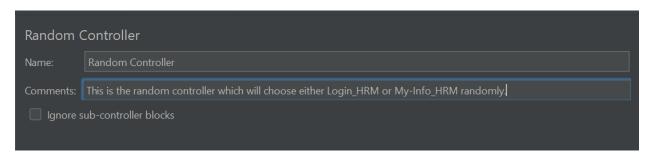


Step-14: Added two HTTP Request- Login_HRM and My-Info_HRM, under the Random Controller.

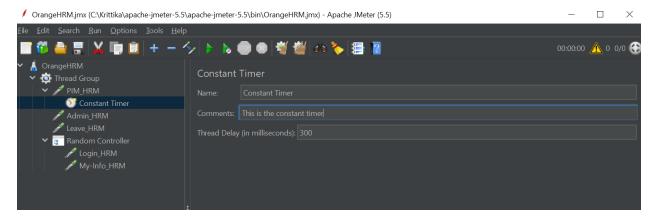
✓ OrangeHRM.jmx (C:\Krittika\apache-jmeter-5.5\apache-jmeter-5.5



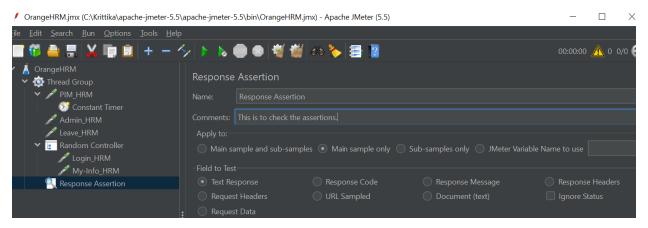
Step-15: After that added comments to the random controller.



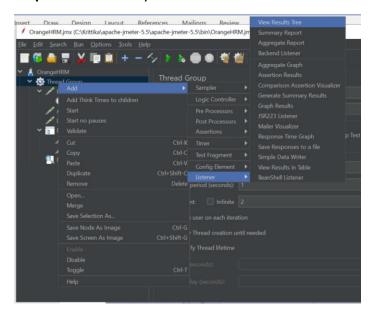
Step-16: Added Constant Timer for PIM_HRM successfully.



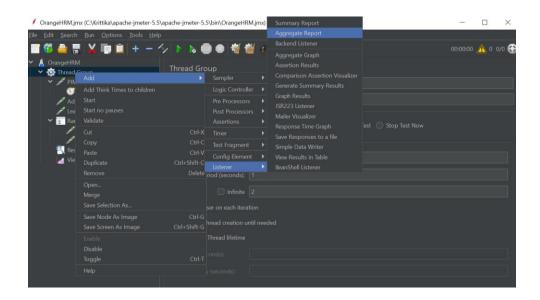
Step-17: Now, successfully added Response Assertion to check for various Assertion criteria.



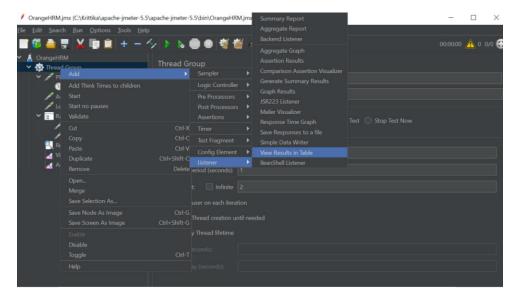
Step-18: Successfully added Listeners- "View Results Tree", which shows result in tree format.



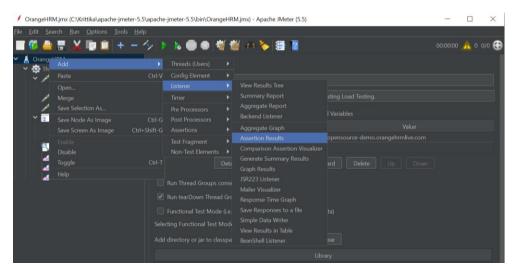
Step-19: Successfully added Listeners- "Aggregate Report", which shows result aggregately.



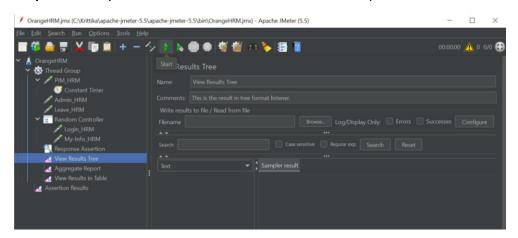
Step-20: Successfully added Listeners- "View Results in table", which shows result in table.



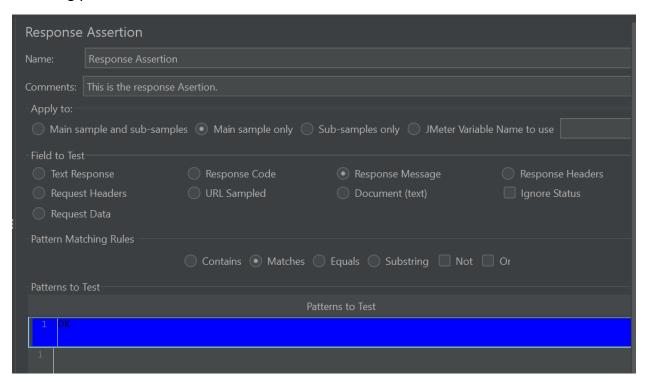
Step-21: Finally added the Assertion Results for the project OrangeHRM to view the assertion response results.



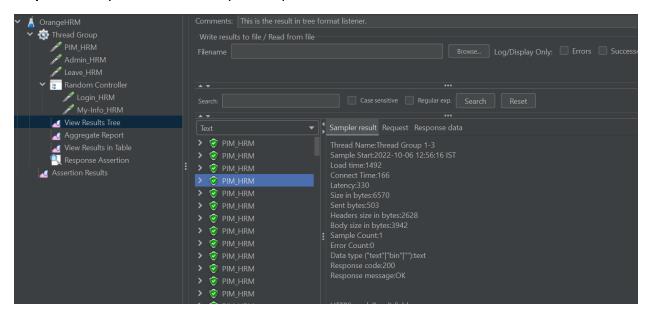
Step-22: Finally started with the Start Button on the top.



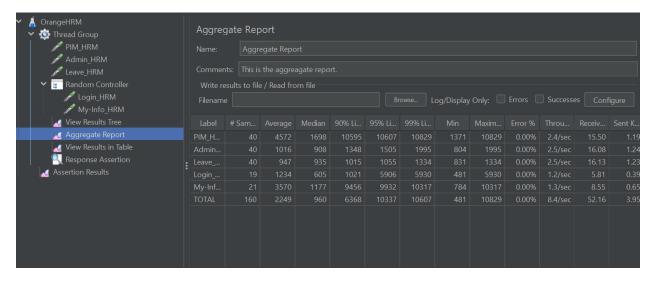
Step-23: After Starting, checked for the Response Assertion, and selected and added fields accordingly.



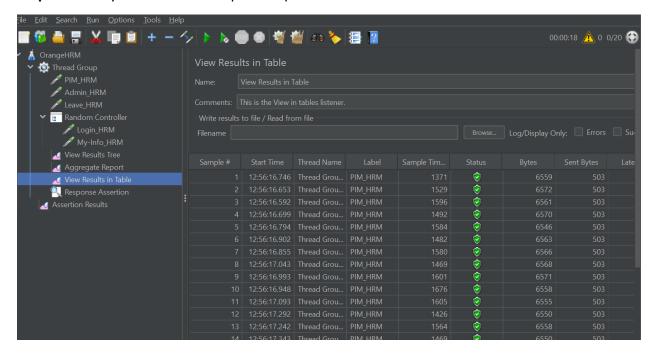
Step-24: Finally executed all Samplers request and viewed it in "View Results in Tree.



Step-25: Finally executed all Samplers request and viewed it in "Aggregate Report".



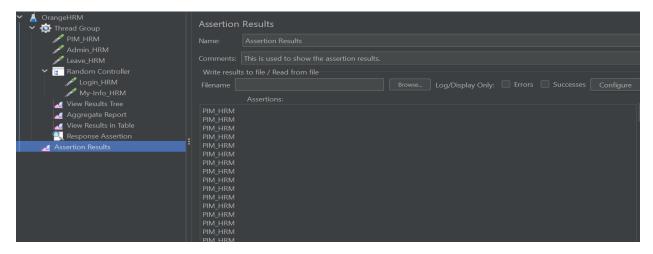
Step-26: Finally executed all Samplers request and viewed it in "View Results in Table".



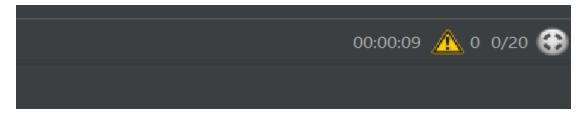
Step-27: If the Response Assertions fails then it fails in the output of Assertion Results.

	Assertion	Results
	Name:	Assertion Results
	Comments:	This is used to show the assertion results.
	-Write results	s to file / Read from file
	Filename	Browse Log/Display Only: Errors Successes Configur
		Assertions:
	/	
• • •	Leave_HRM	Response Assertion : Test failed: message expected to equal /
	***** receiv	ved :O[[[K]]]
	***** comp	parison: O[[[k]]]
	Leave_HRM	Response Assertion : Test failed: message expected to equal /
	***** receiv	ved :O[[[K]]]
	***** comp	parison: O[[[k]]]
	/ My Info HP	

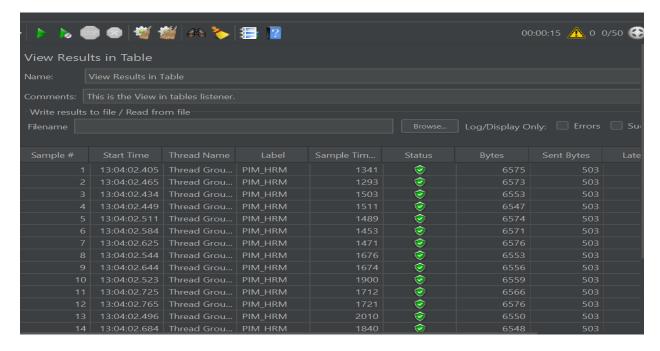
Step-28: If the Response Assertions passes then it passes in the output of Assertion Results.



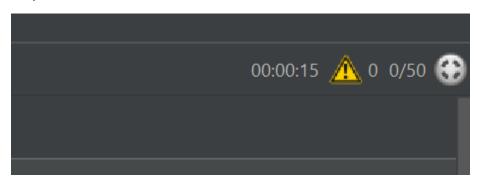
Step-29: This is the total execution time for the 20 users to check for Load Testing.



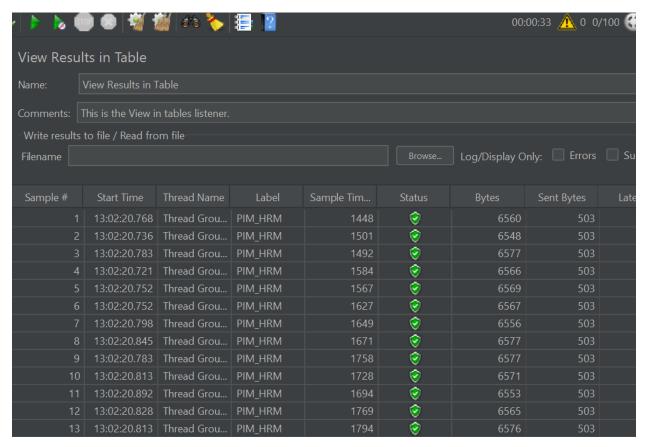
Step-30: This is execution status for the 50 users to check for Load Testing.



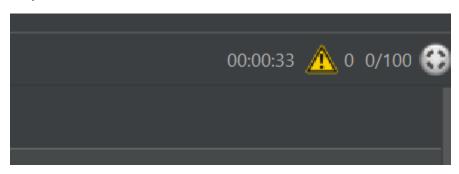
Step-31: This is the total execution time for the 50 users to check for Load Testing.



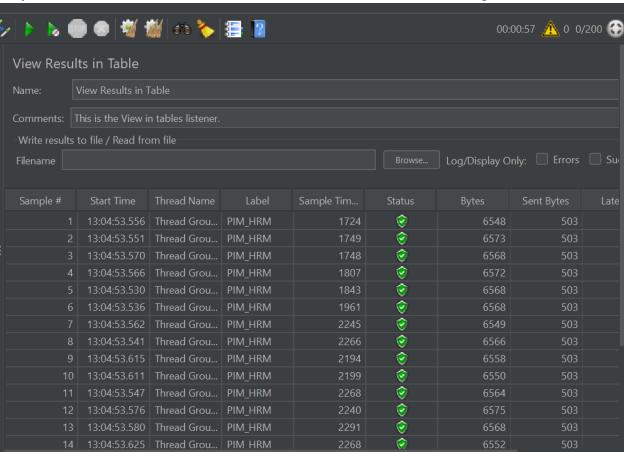
Step-32: This is execution status for the 100 users to check for Load Testing.



Step-33: This is the total execution time for the 100 users to check for Load Testing.



Step-34: This is execution status for the 200 users to check for Load Testing.



Step-35: This is the total execution time for the 200 users to check for Load Testing.

