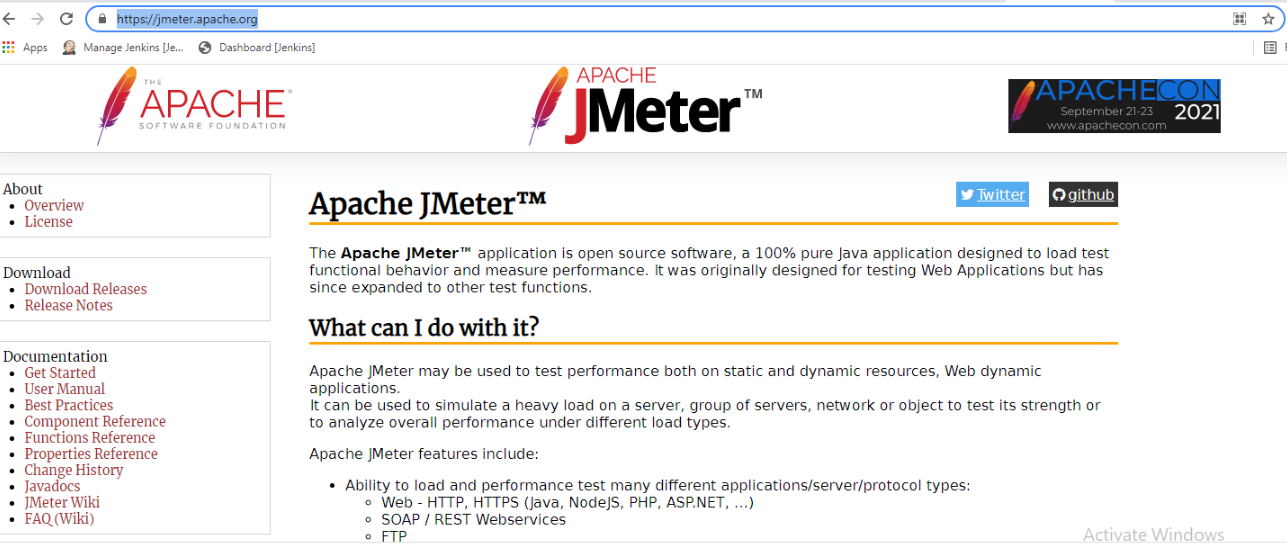
**SBA 7**

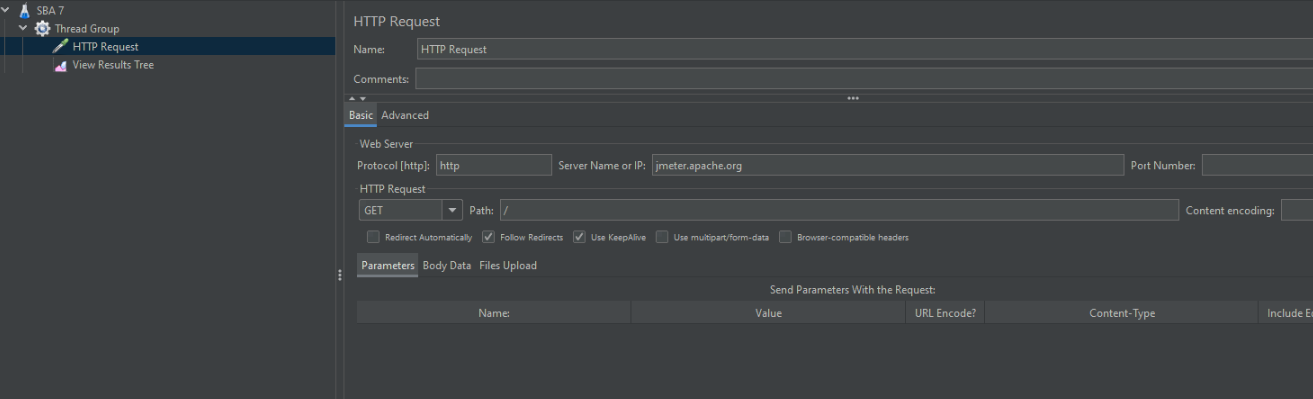
Perform a load test on an API highlighting the usage of Listeners, Samplers, Timers, Pre-Processors/Post Processors & Config Elements. Also generate an HTML report using JMeter.

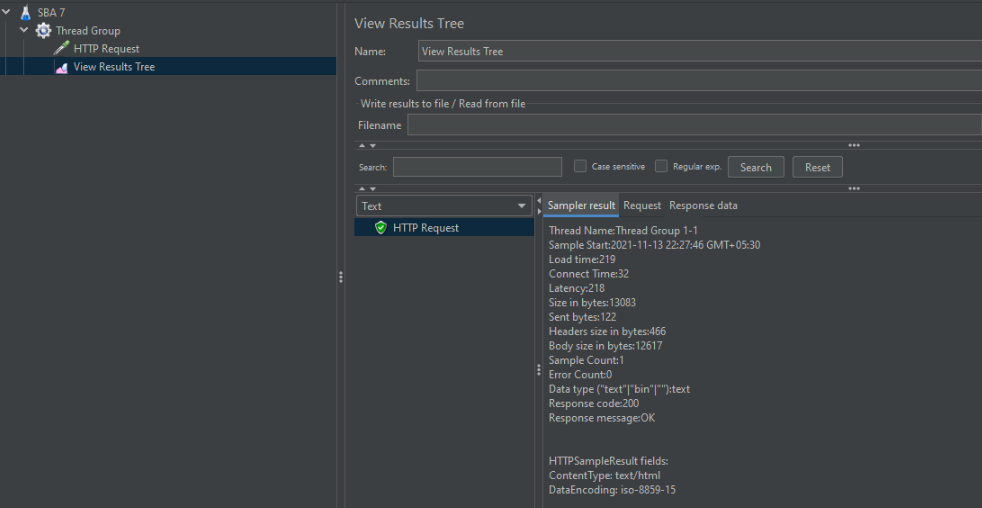
**API TESTING**

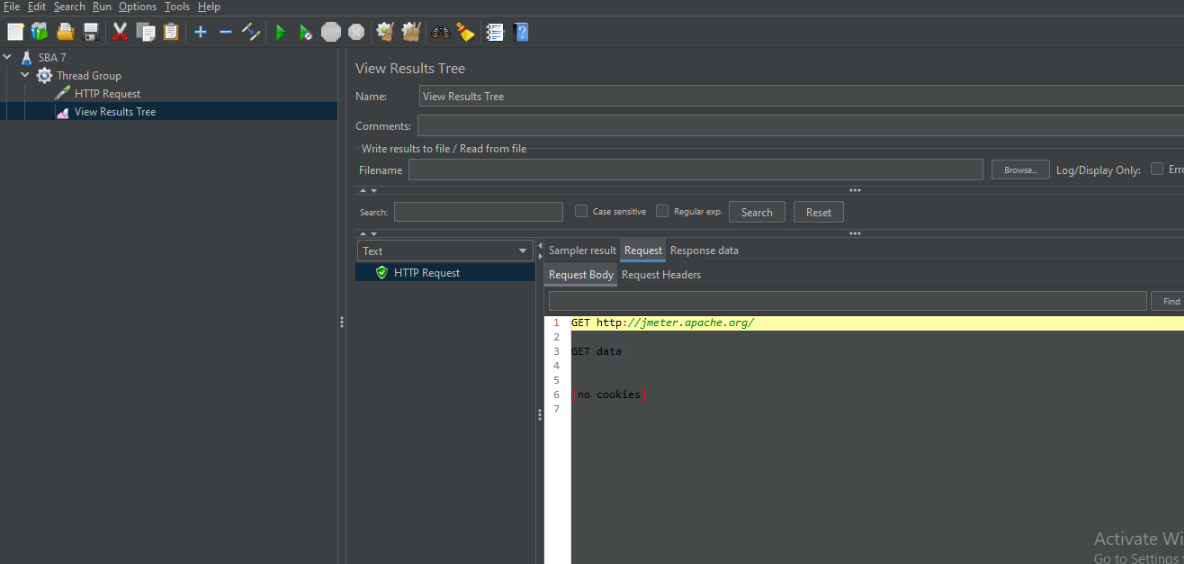
* Accessing the API https://jmeter.apache.org/

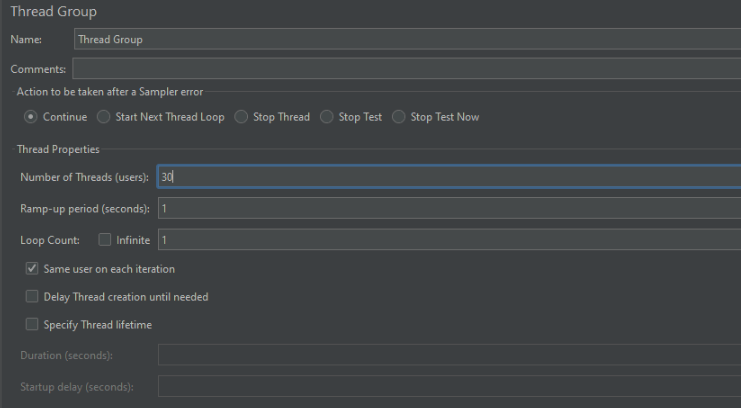


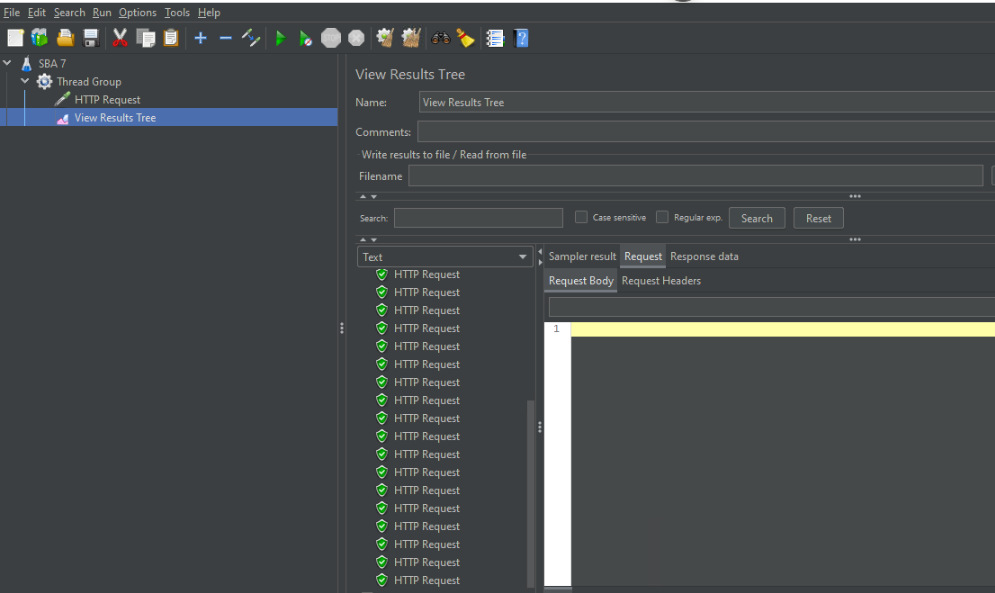
* Now Open JMeter 🡪 Create new thread 🡪 thread group
* Add 🡪 Http Request.
* Add 🡪 Listener 🡪 View Result Tree
* Run & Obtain the result.



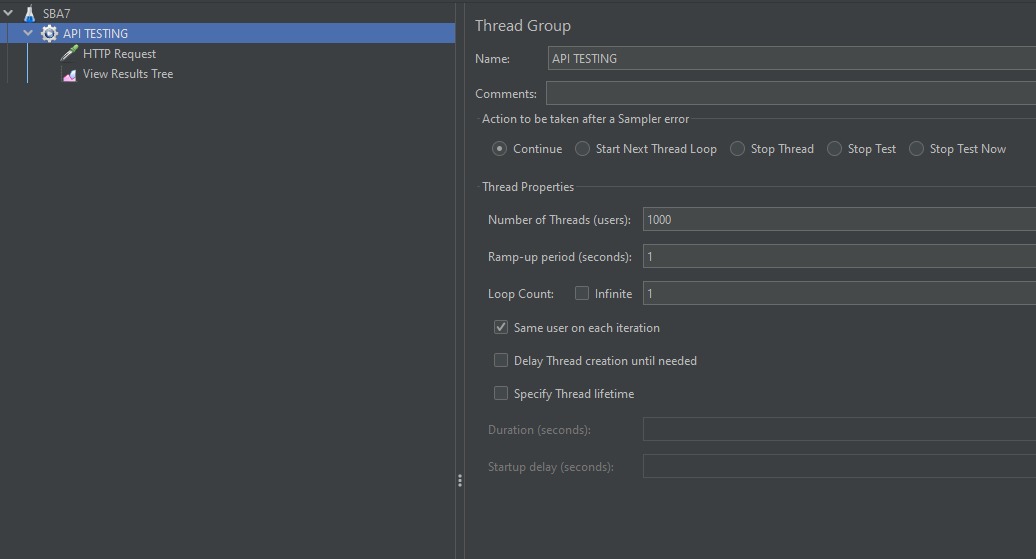




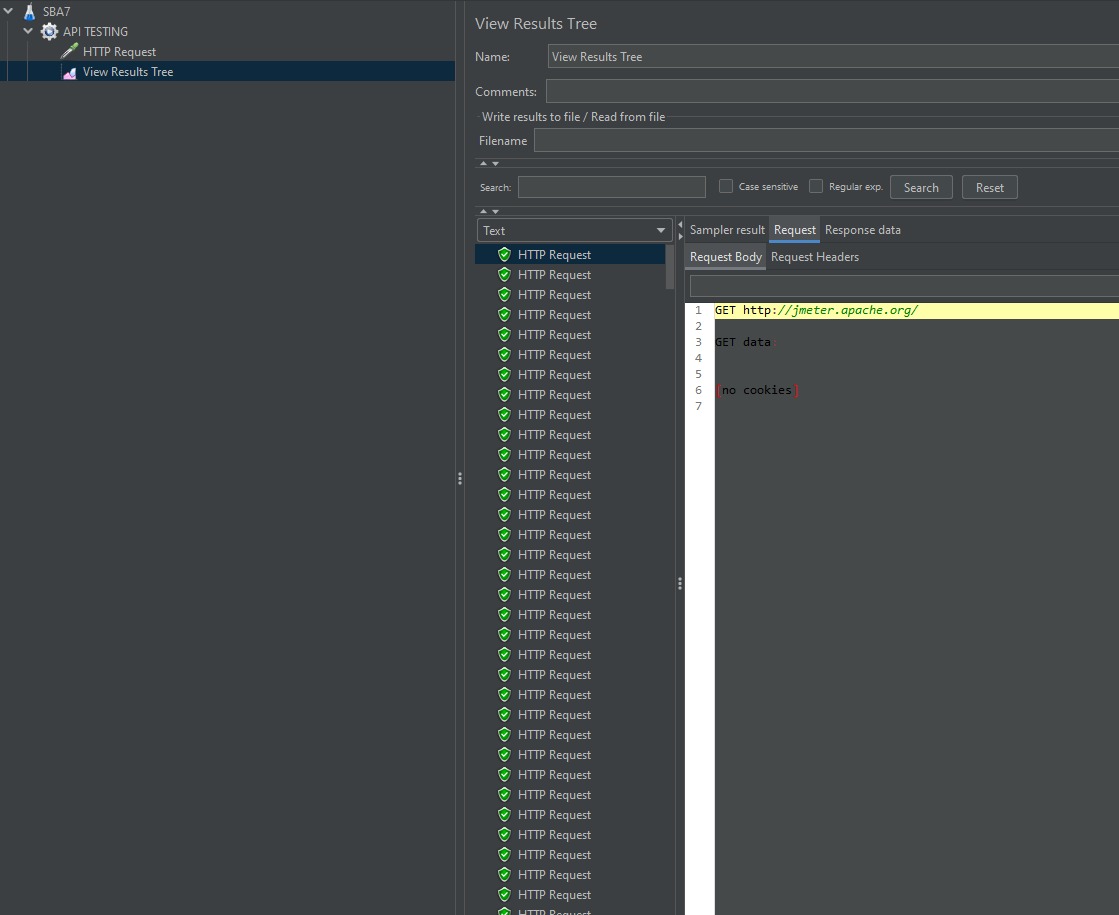




* Checking how much load that our API can handle.

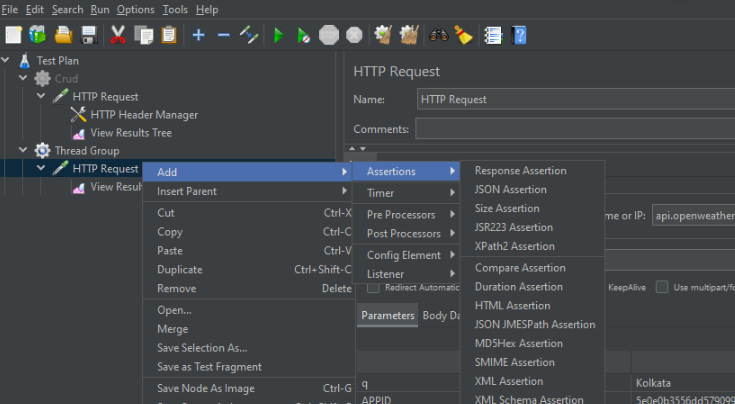


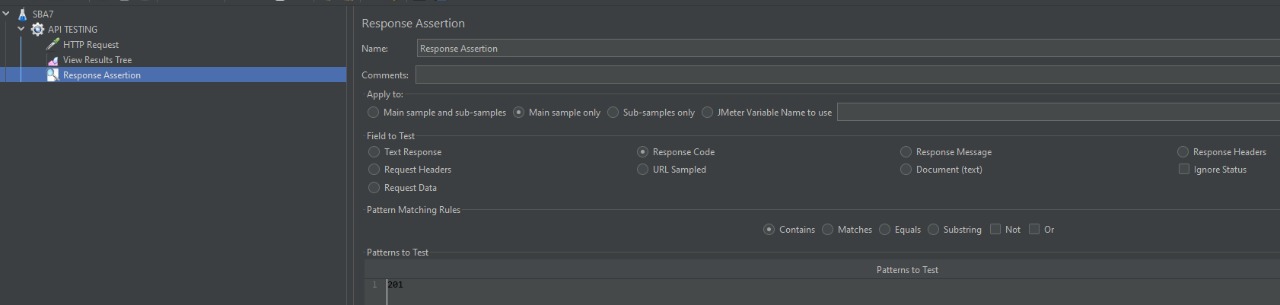
* The below result shows that API can handle 1000 threads without any problem.

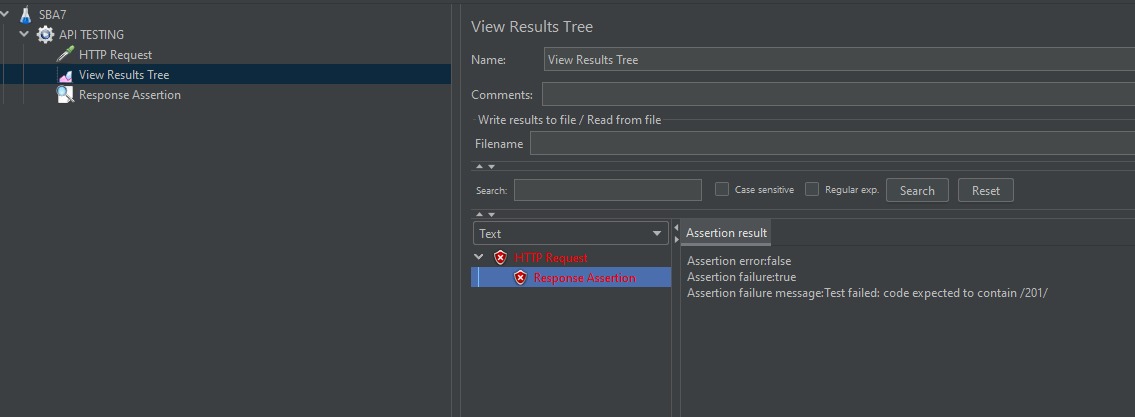


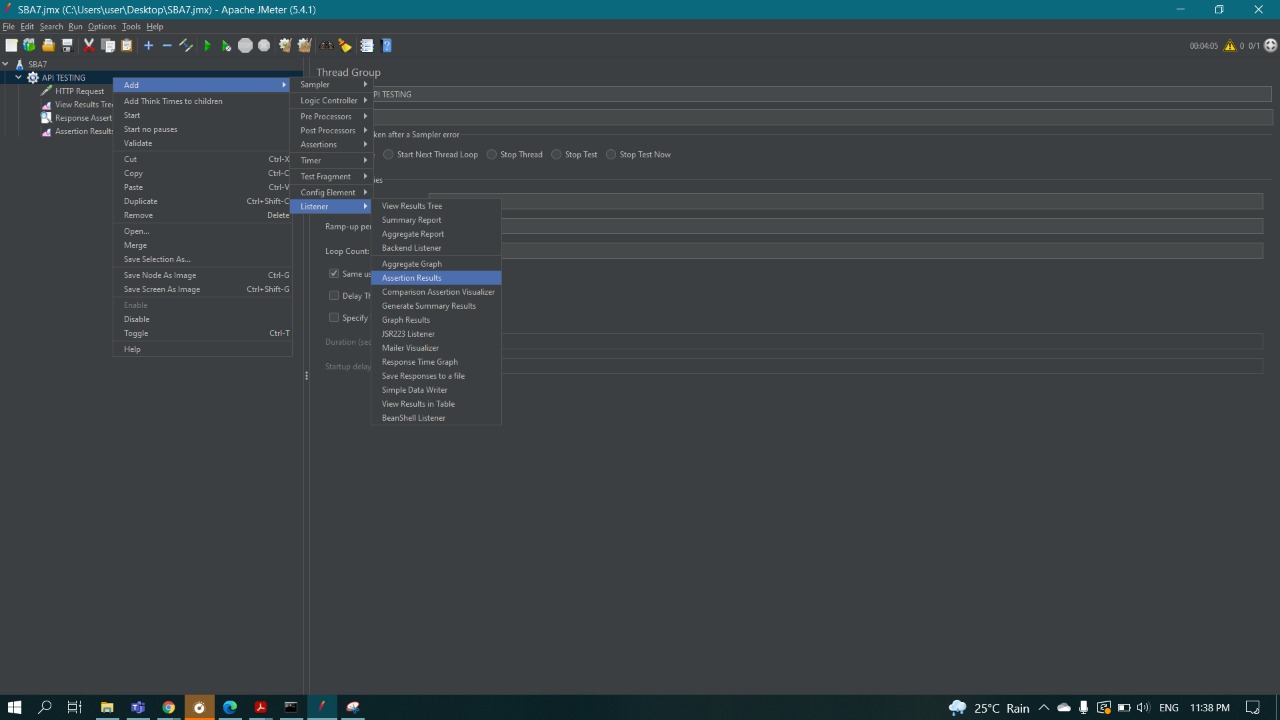
Adding Assertions

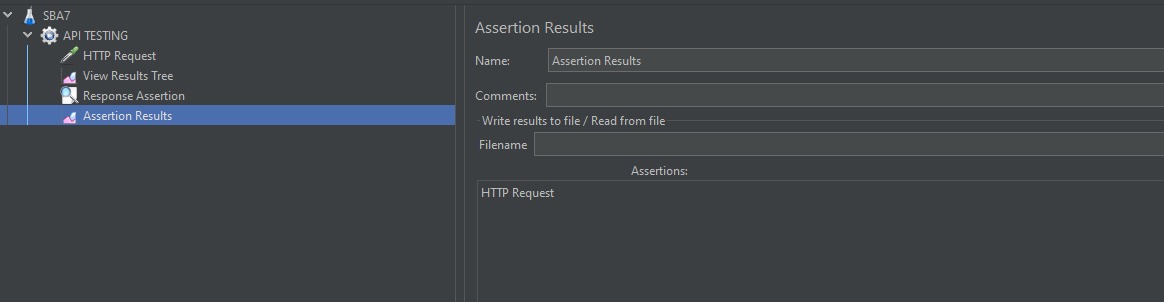
* Add 🡪 Assertions 🡪 Response Assertion.

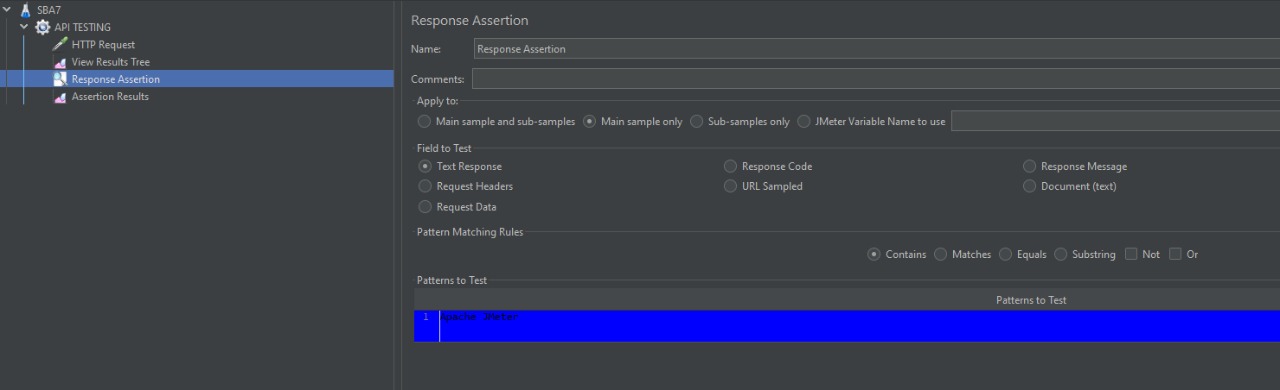


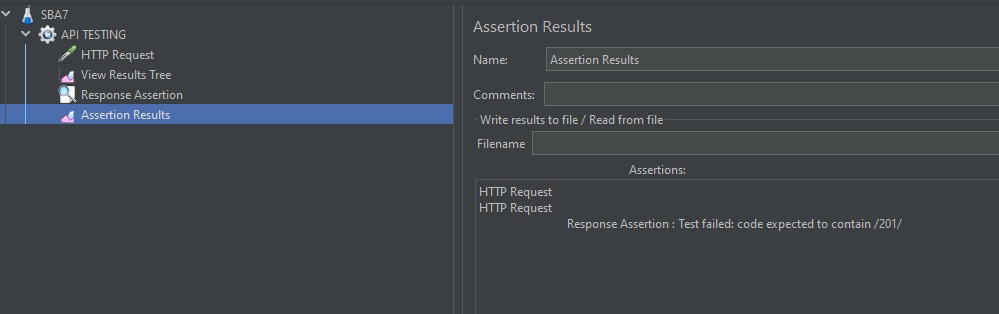


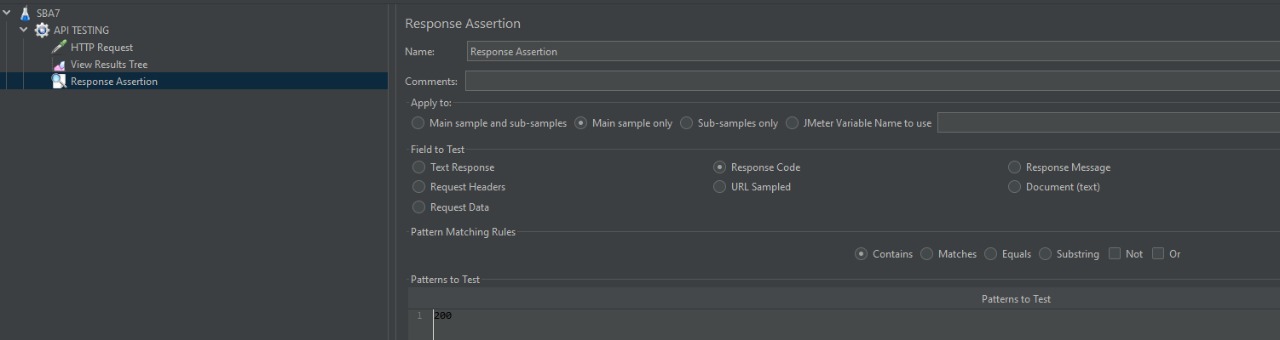


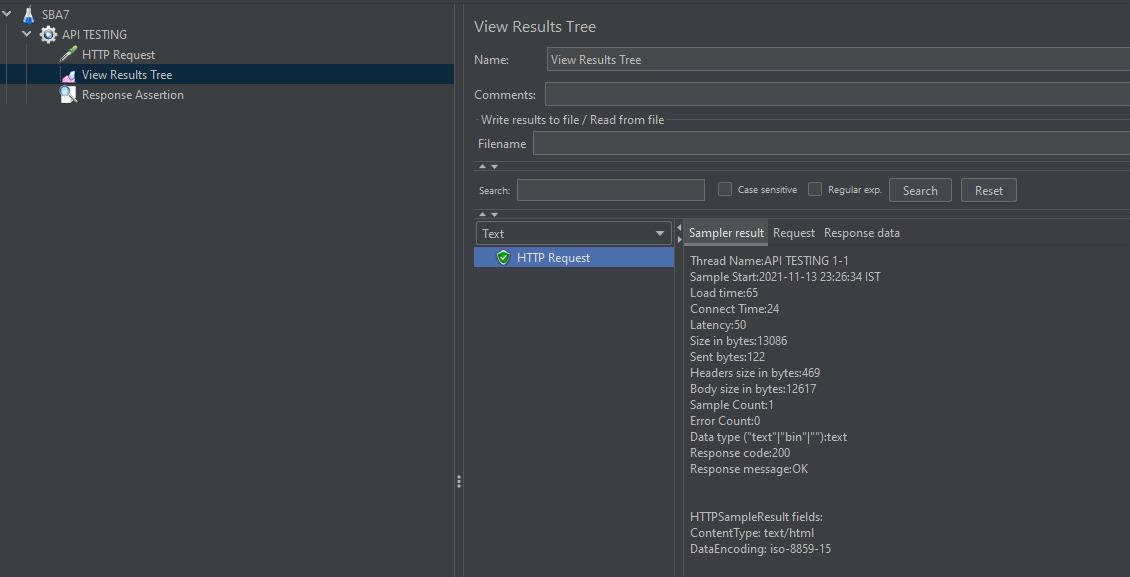




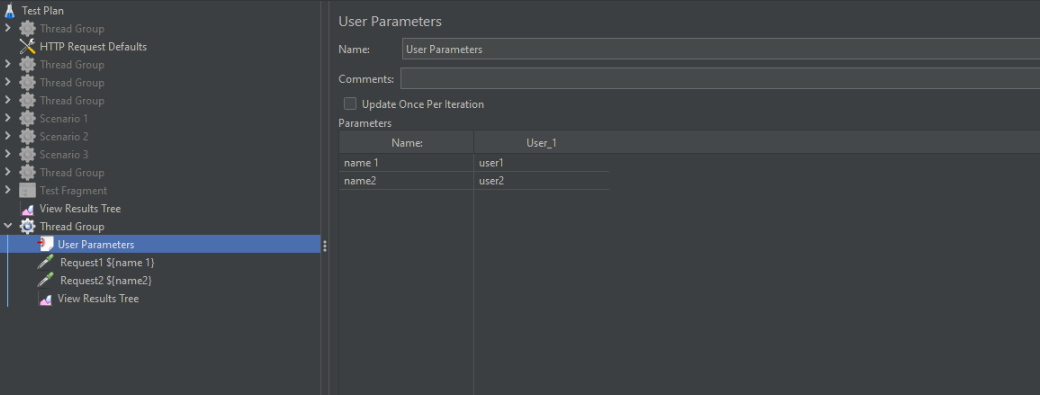


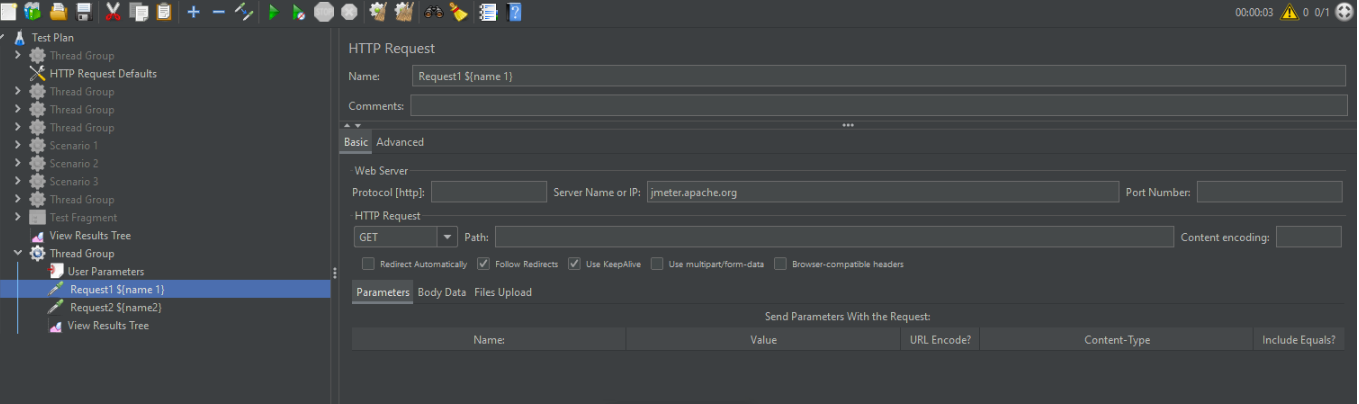


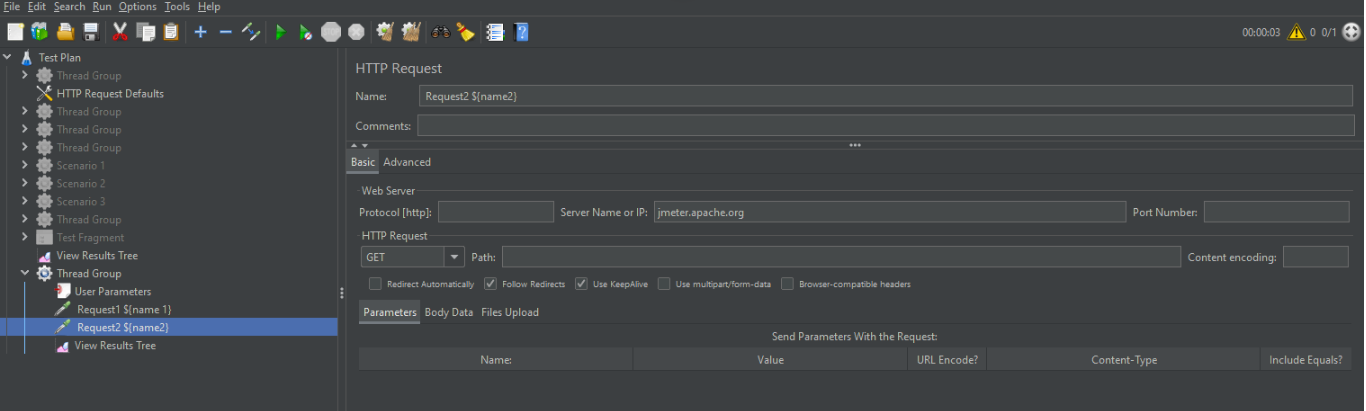


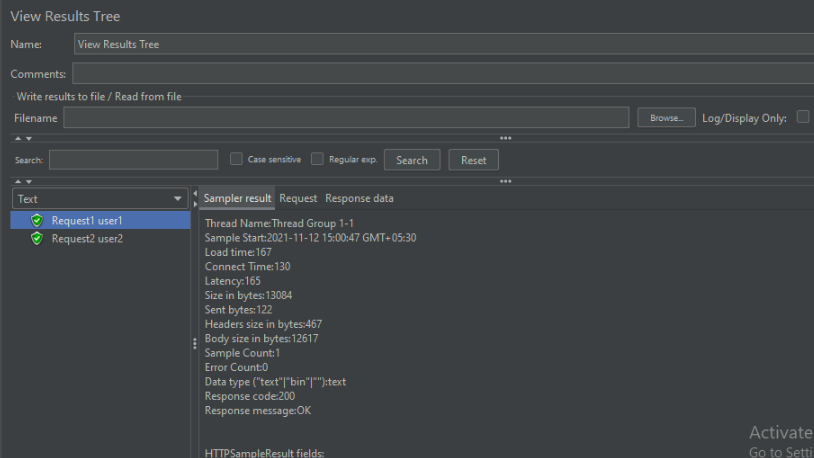


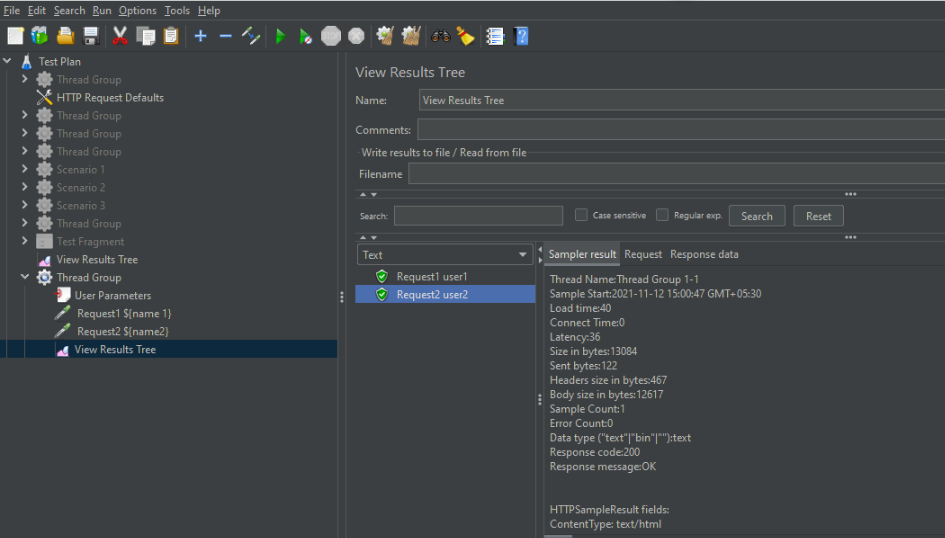
To access all the links from the given website.



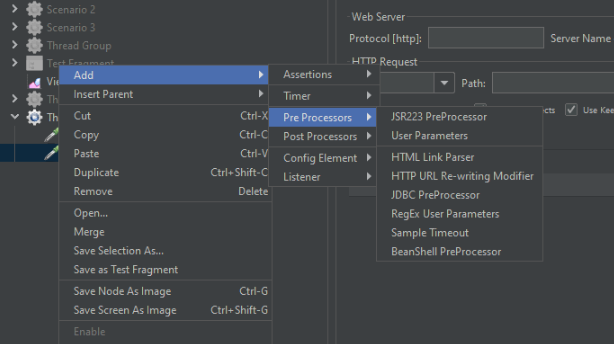


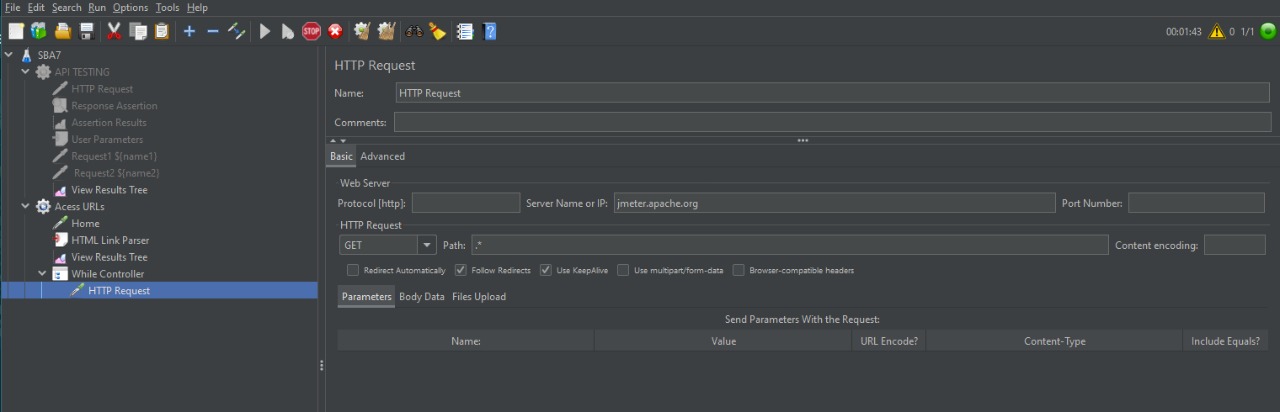
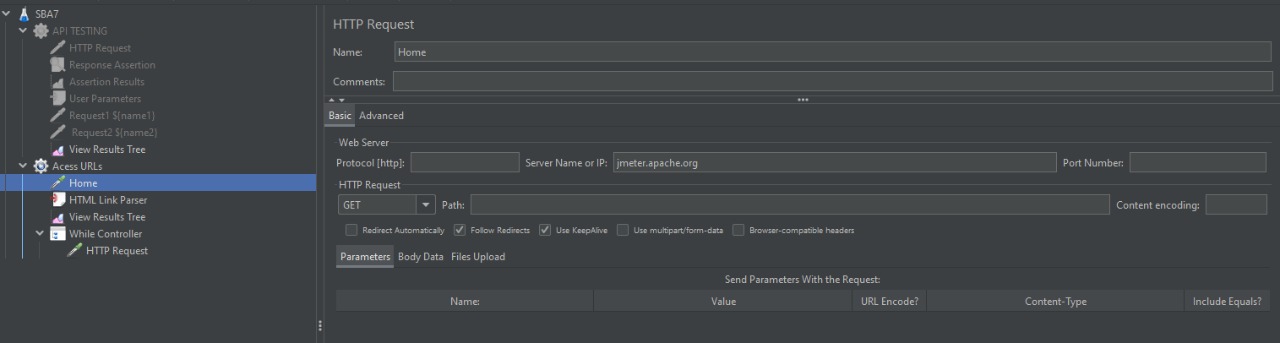


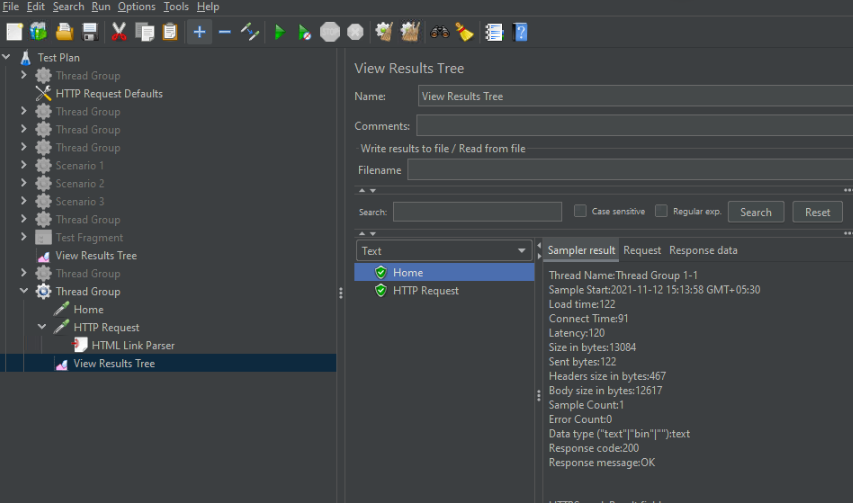


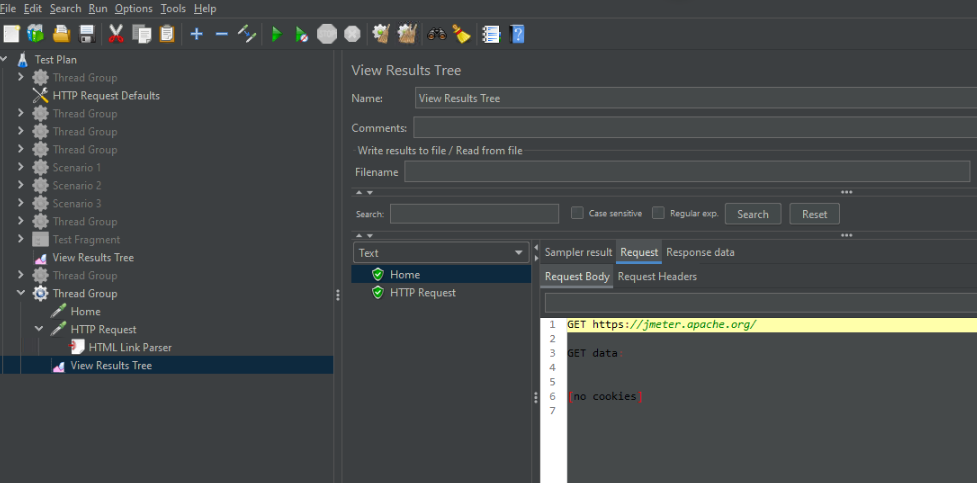


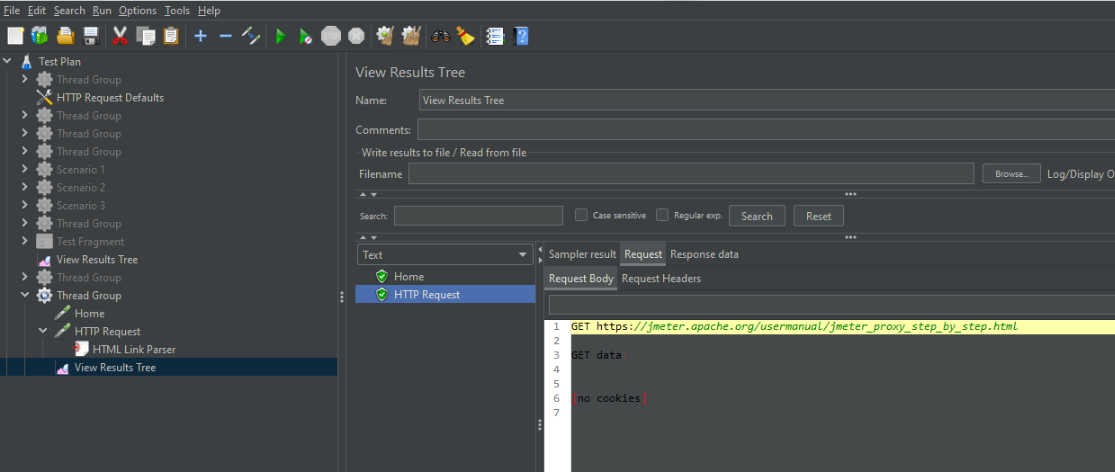
* Create new thread group 🡪 Create new HTTP Request

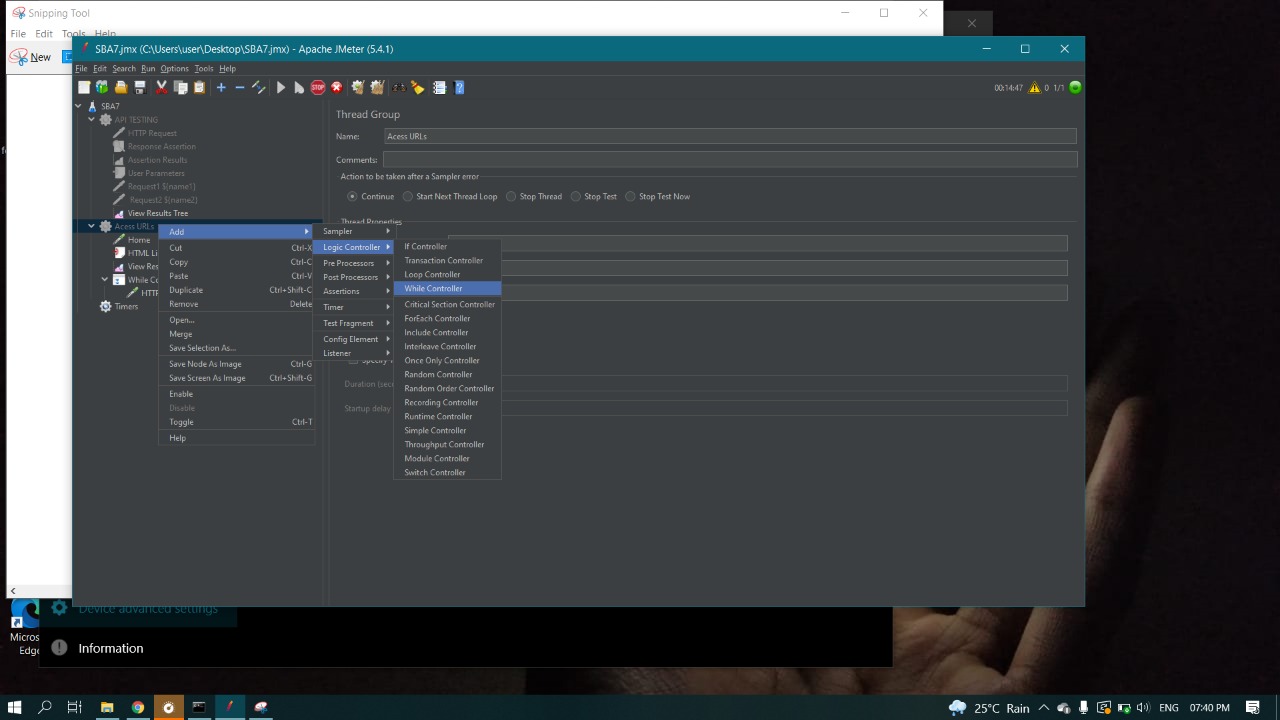


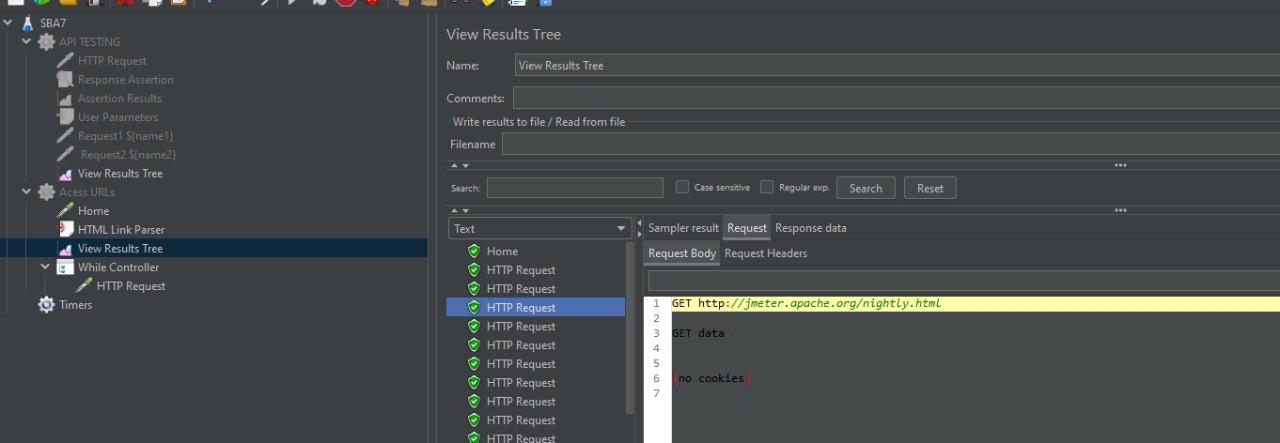


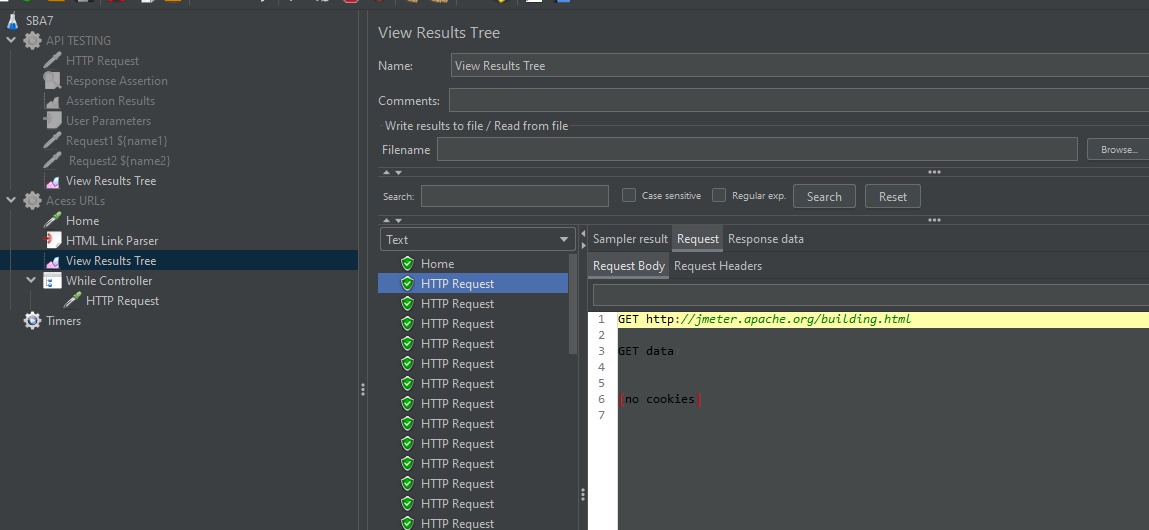




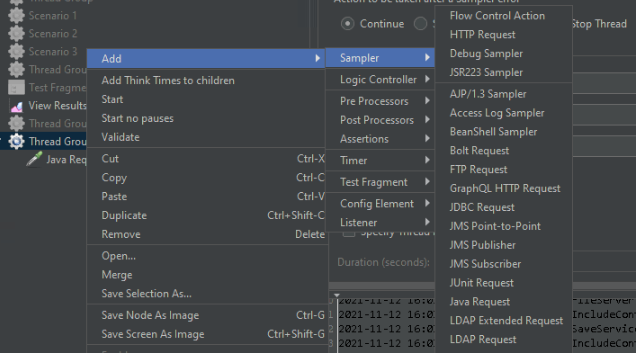


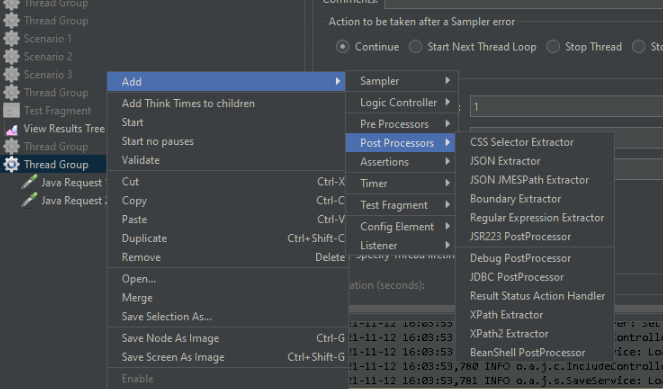




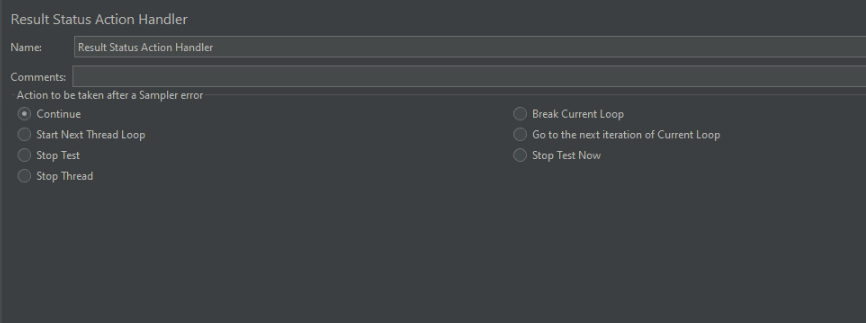


All the URLs in that page are accessed.



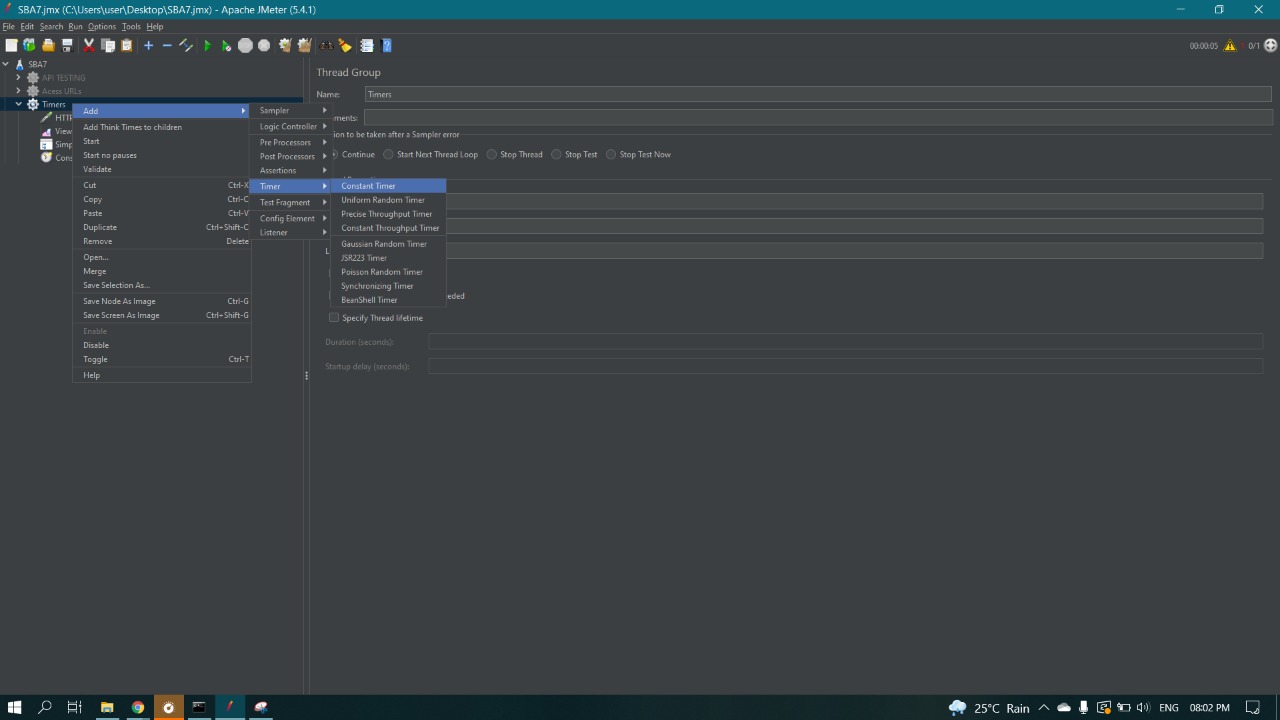


* This is one of the Post Processor which is executed after the sampler and can be used for Post condition response.

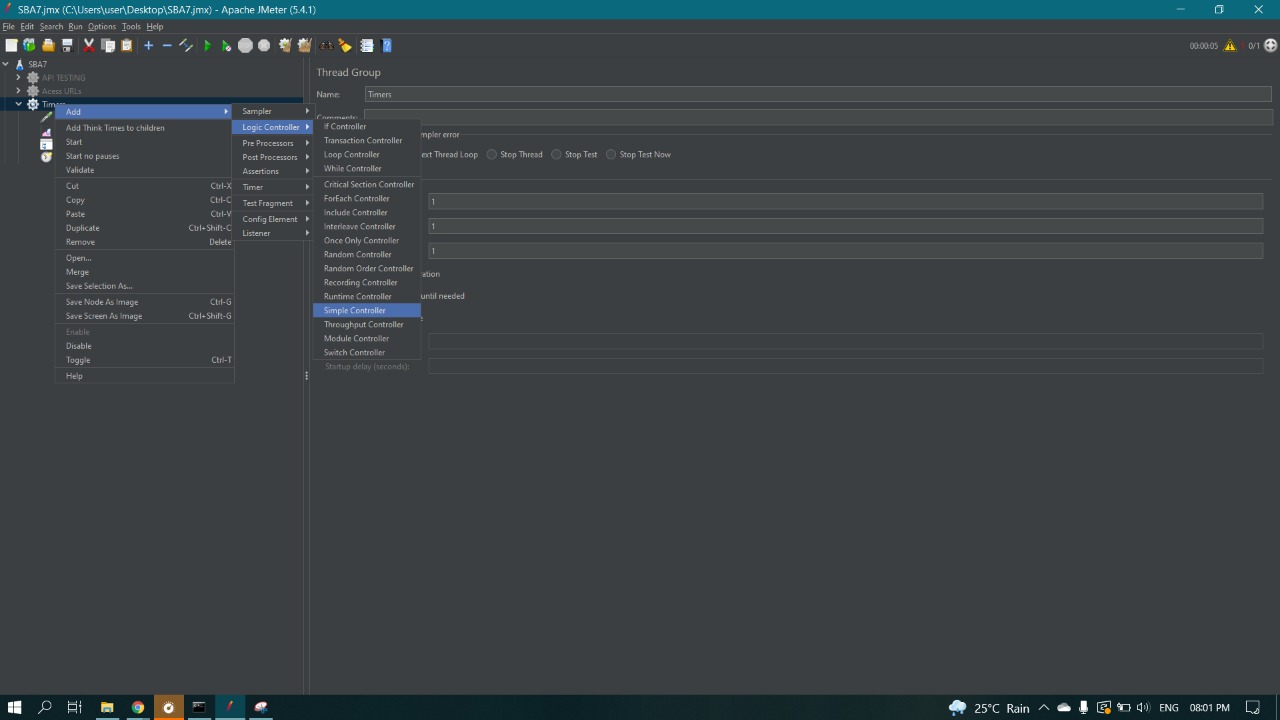


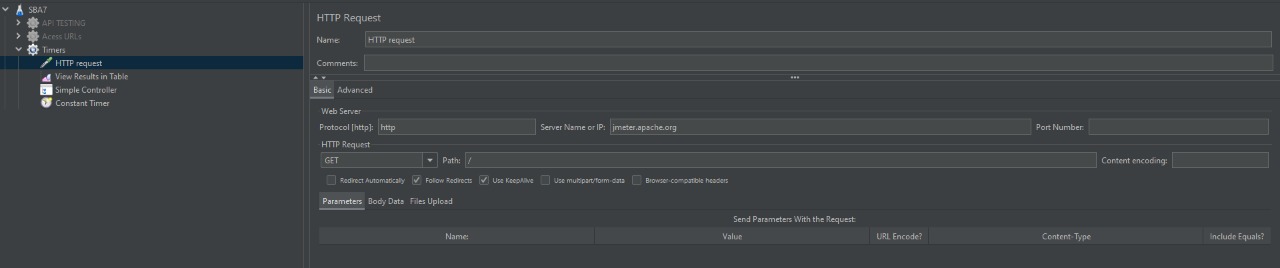
**Timers**

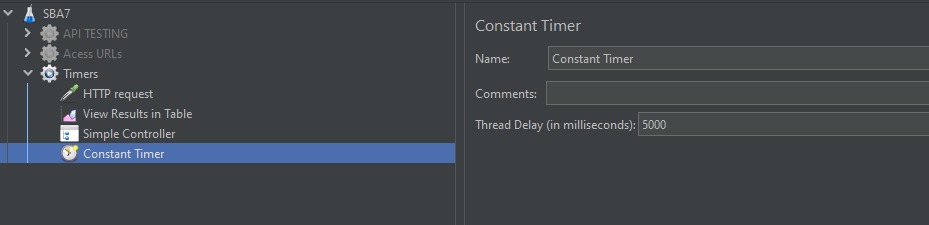
* Now Create new thread 🡪 thread group
* Add 🡪 Http Request.
* Add 🡪 Listener 🡪 View Result Tree
* Add 🡪 Timer 🡪 Constant Timer

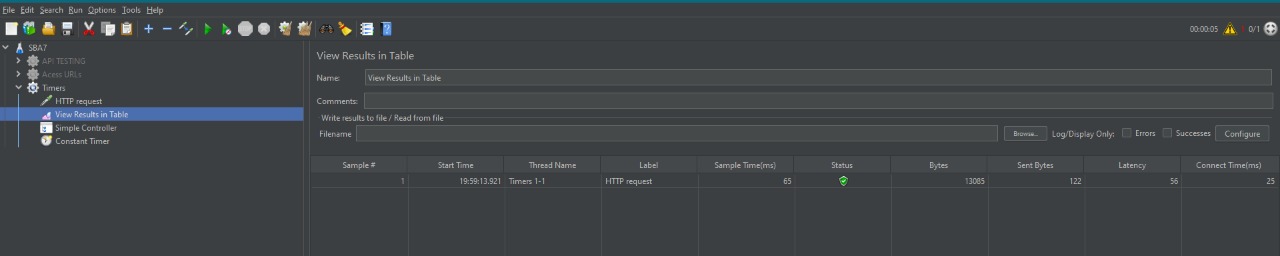


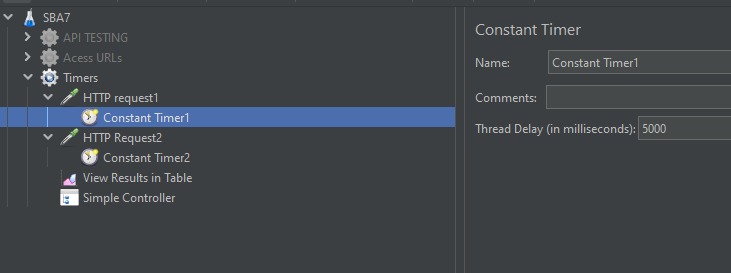
* Add 🡪 Logic Controller 🡪 Simple Controller

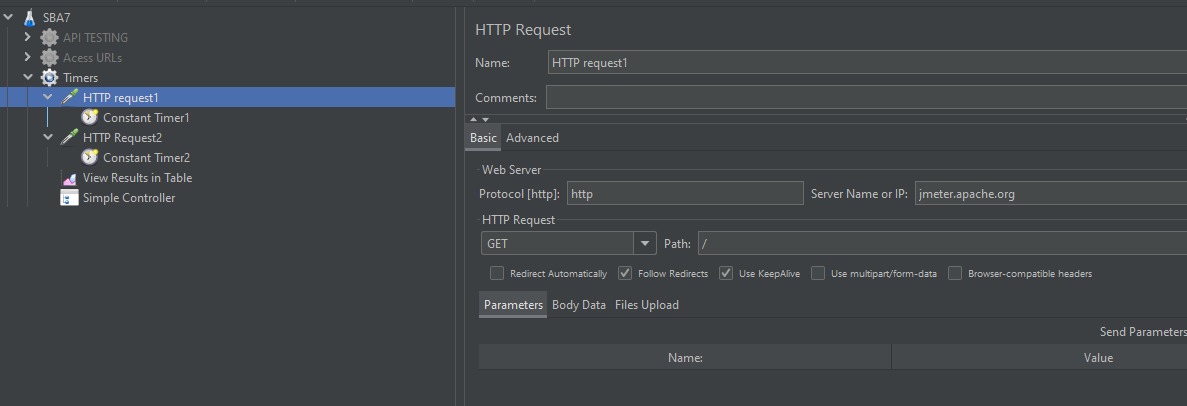


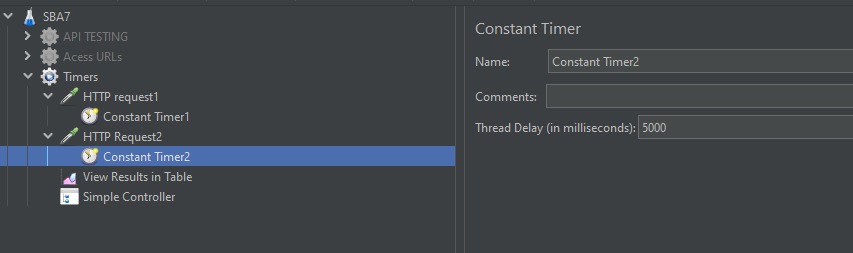


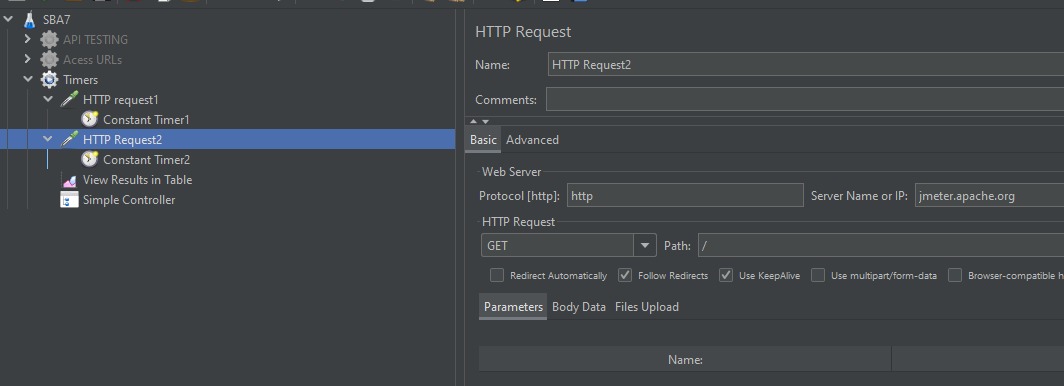


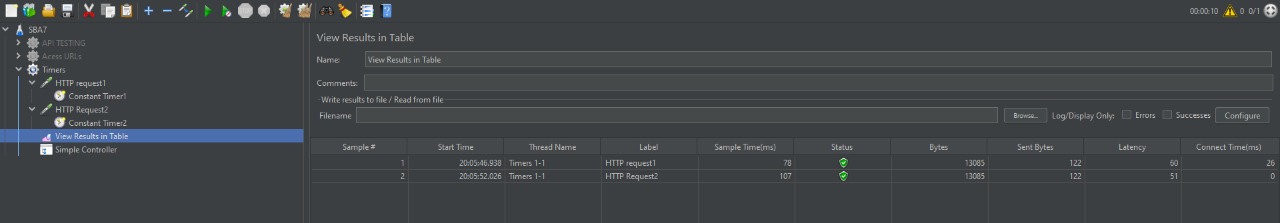




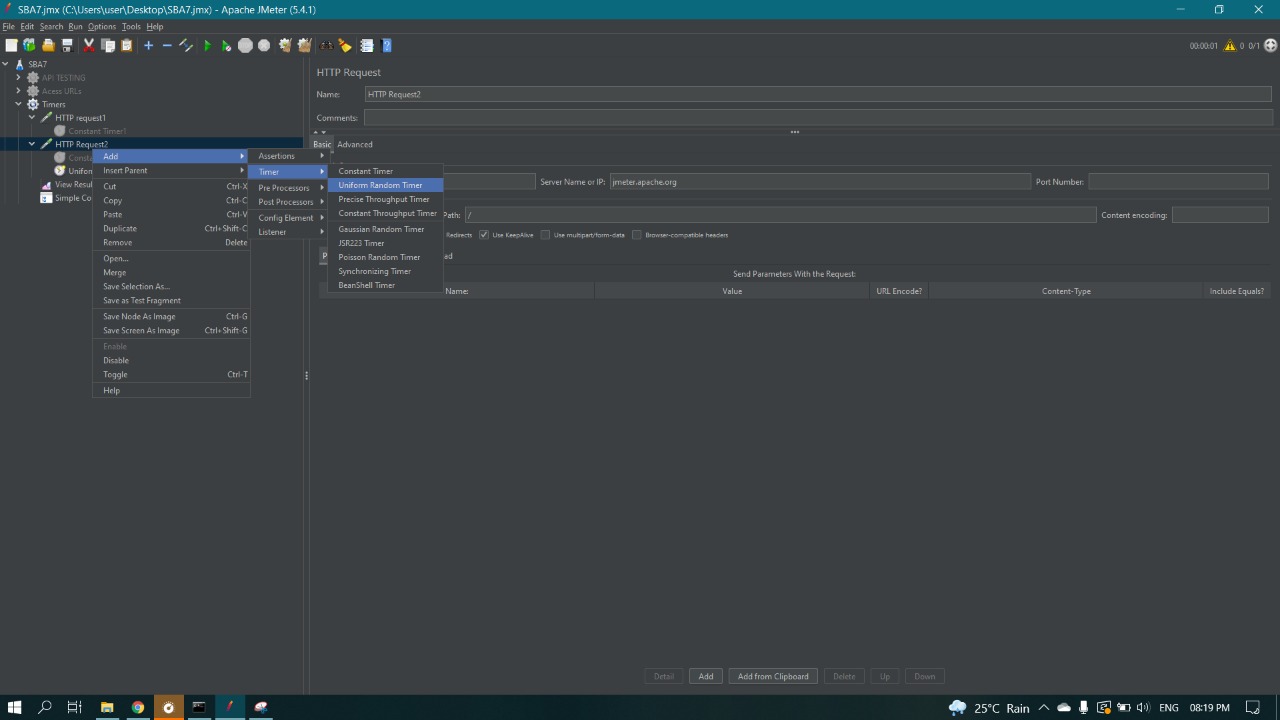


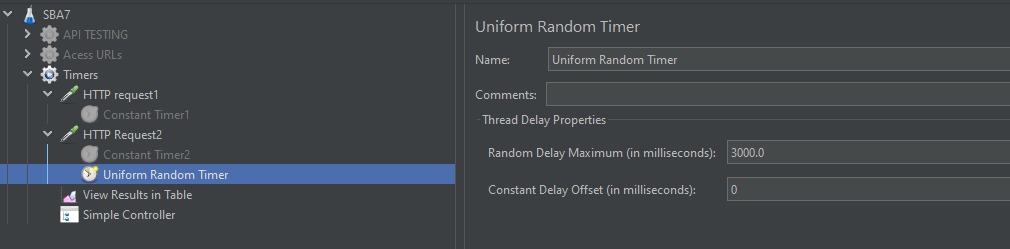


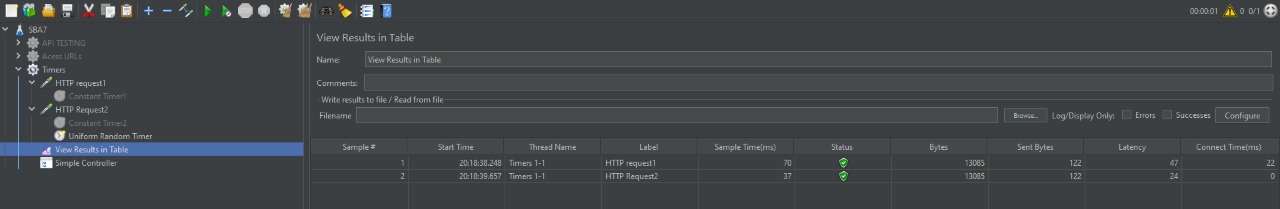




* Add 🡪 Timers 🡪 Uniform Random Timer



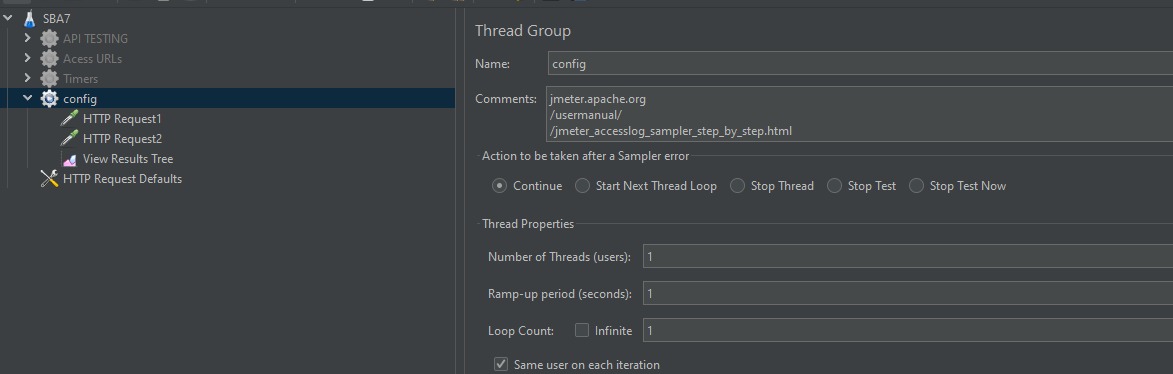


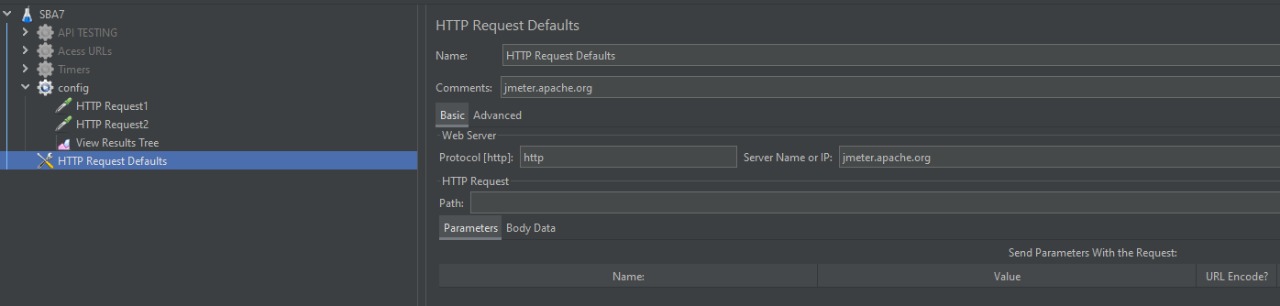


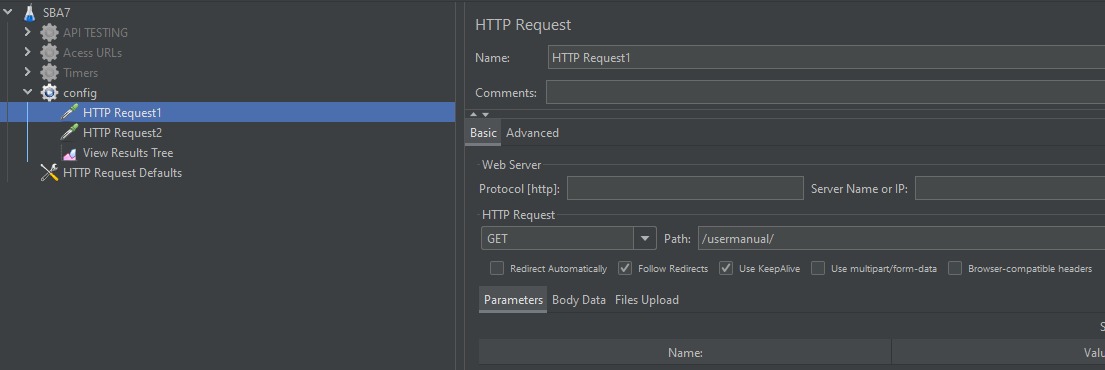
Results are obtained randomly.

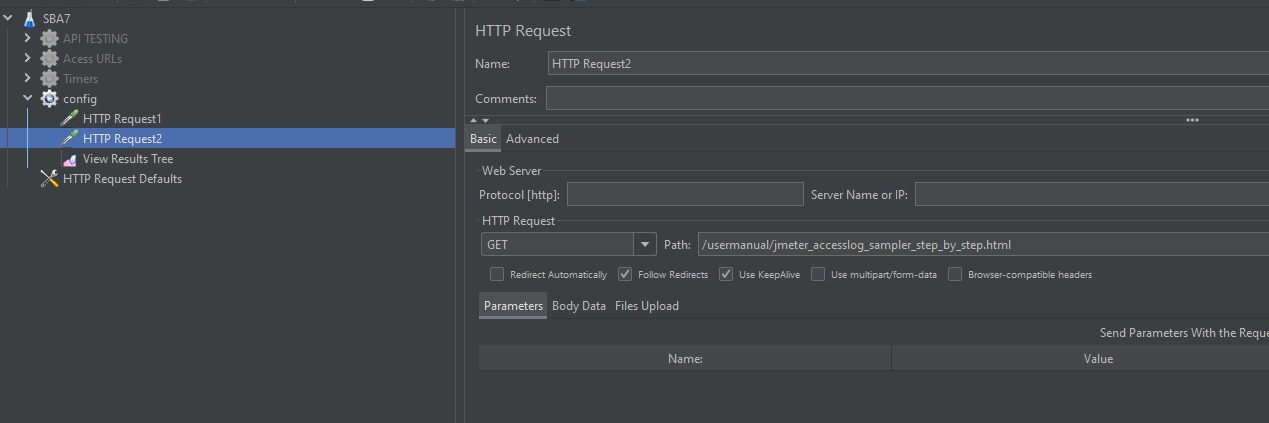
**Config Element**

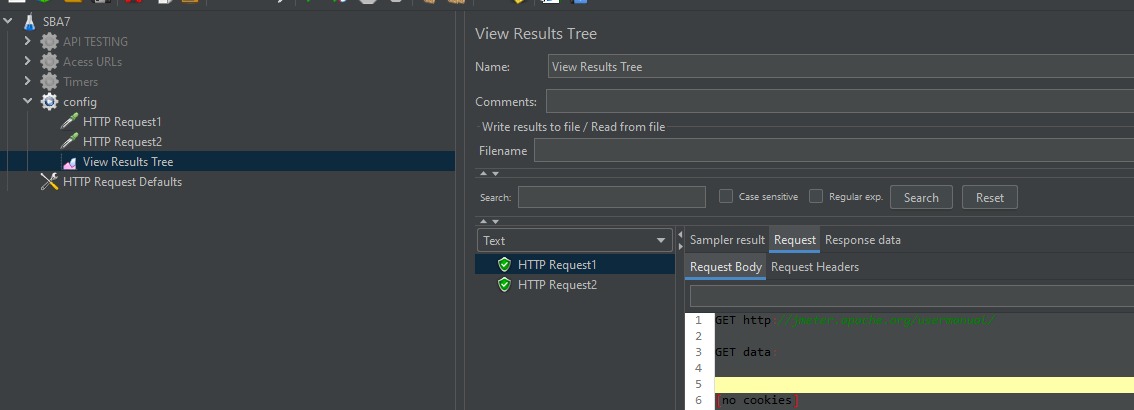
* Create a thread group named config.
* Give proper paths in the comment box.

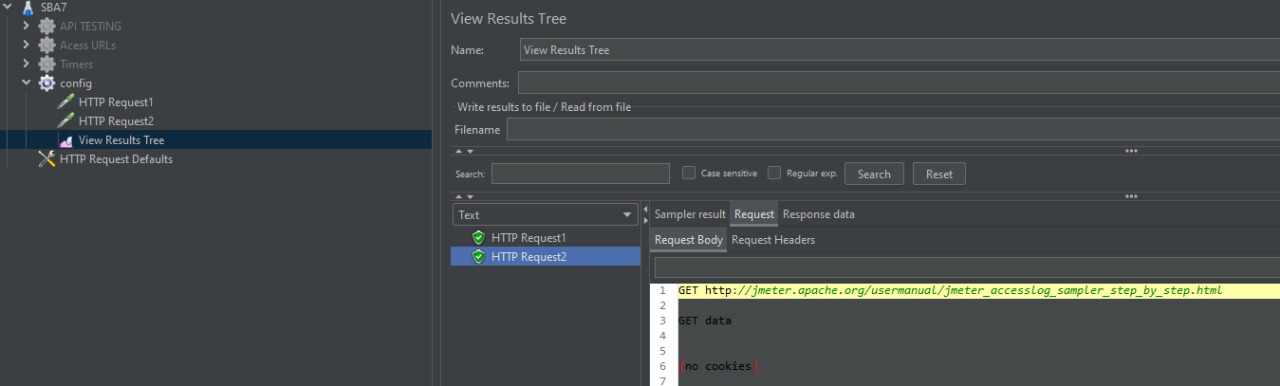




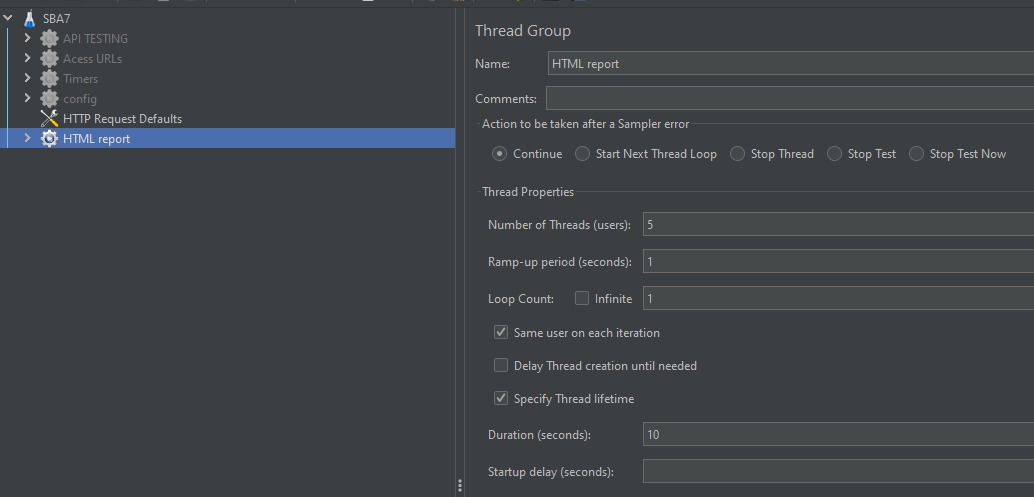


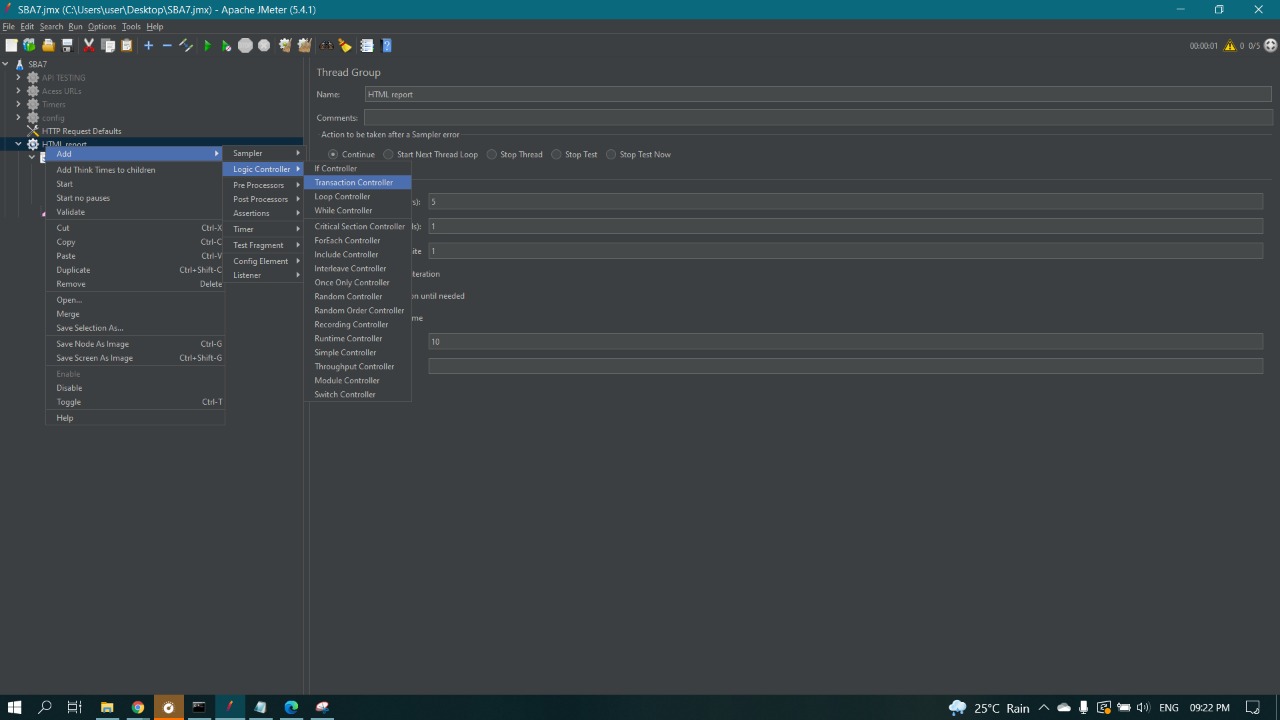


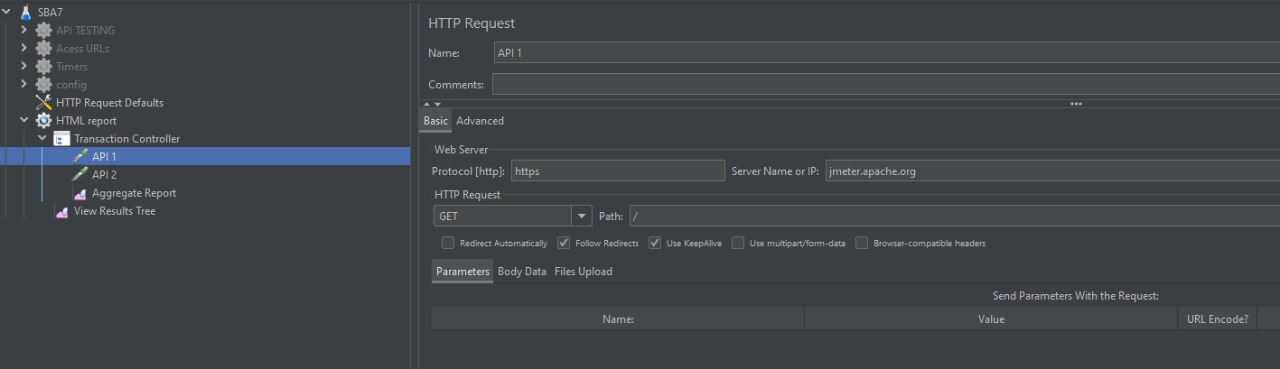


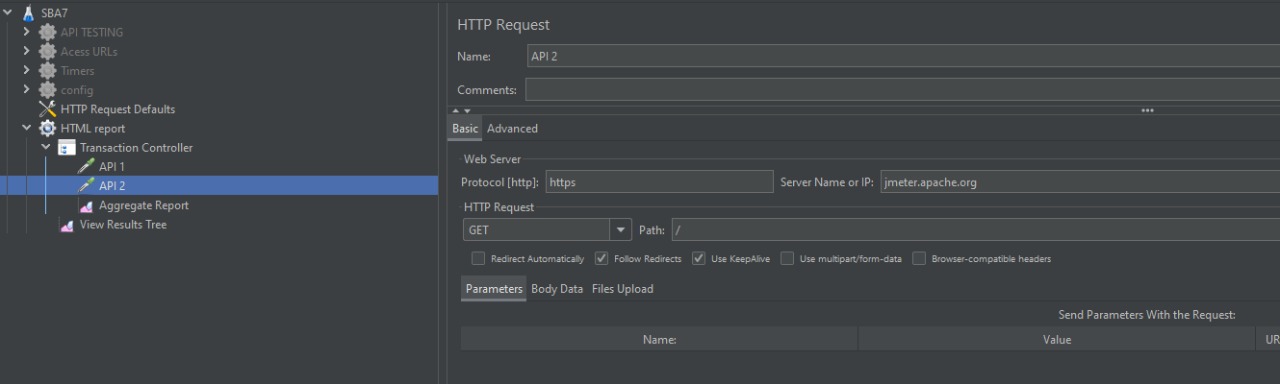


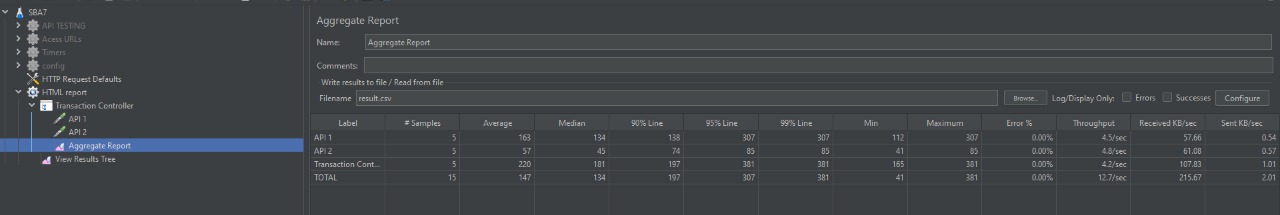
**HTML Report**

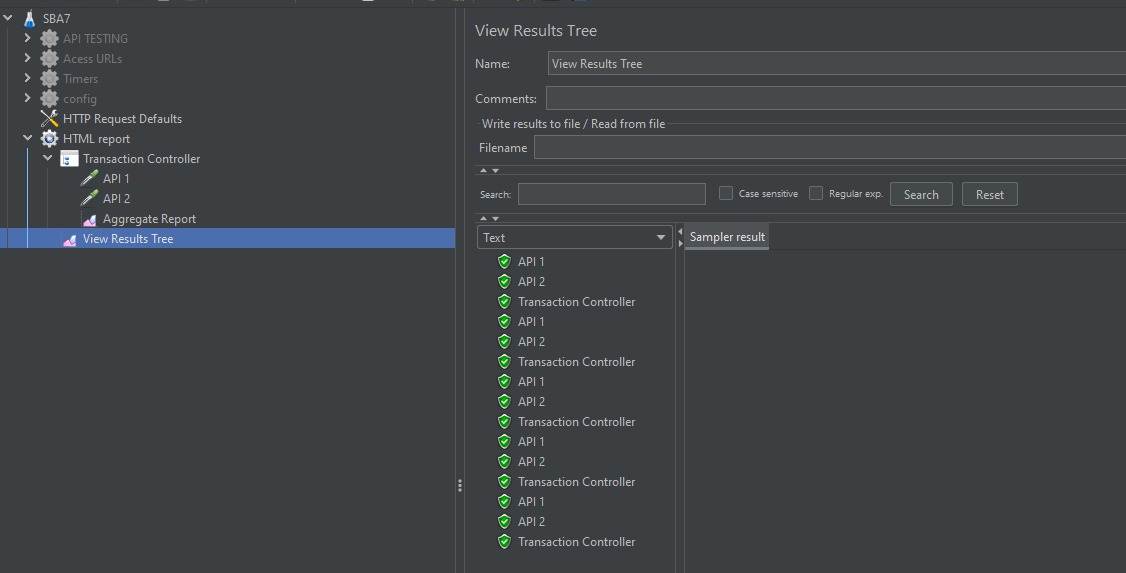
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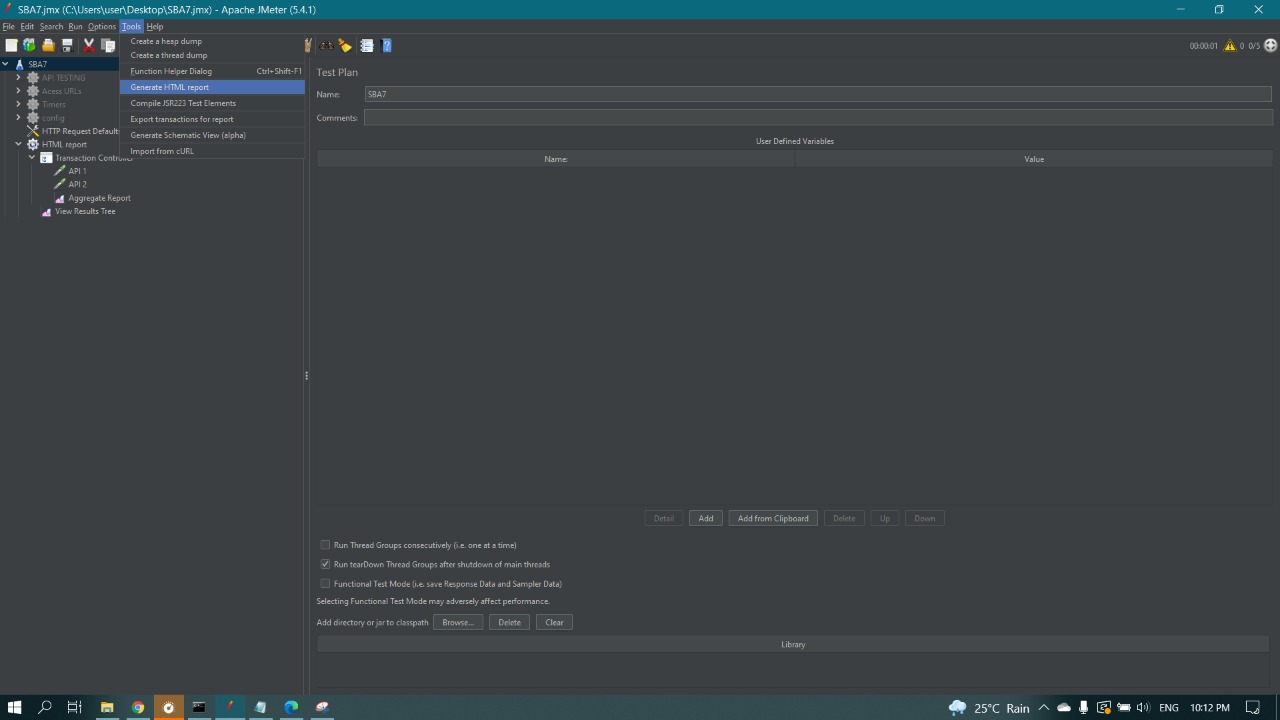
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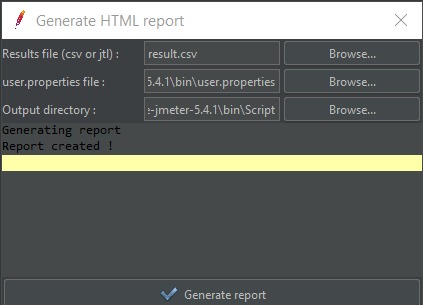
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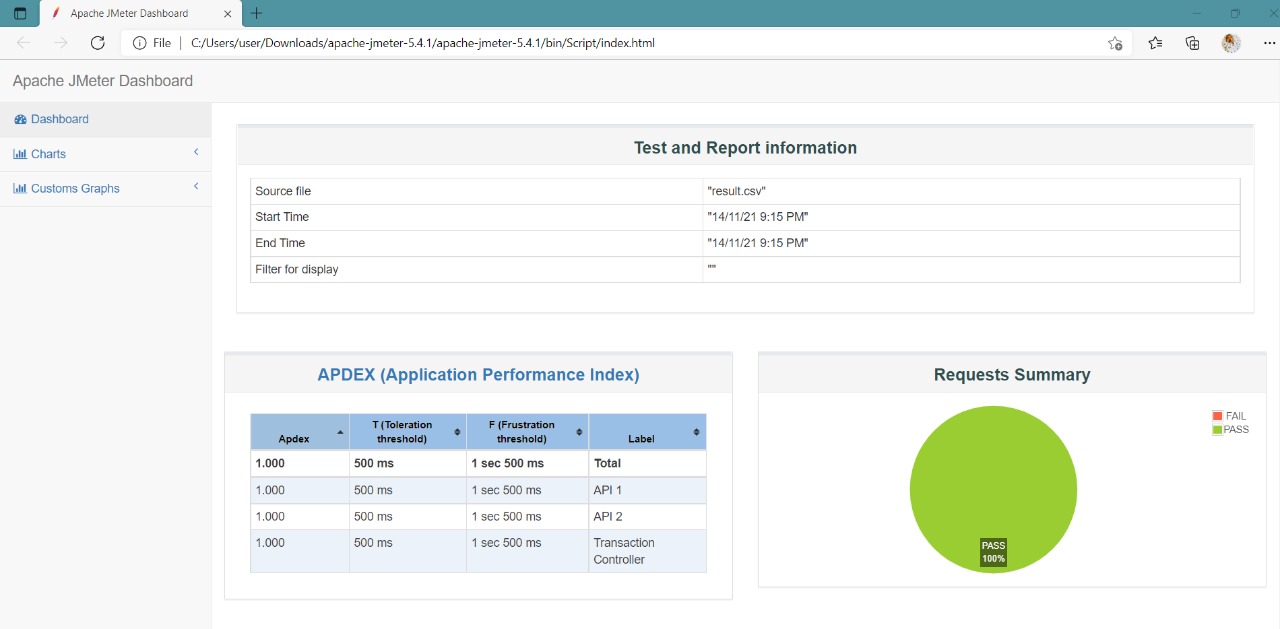
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Hence html report is generated.

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