# **Summary Report Iteration 3**

# **Setup: JarFiles Executed Successfully**

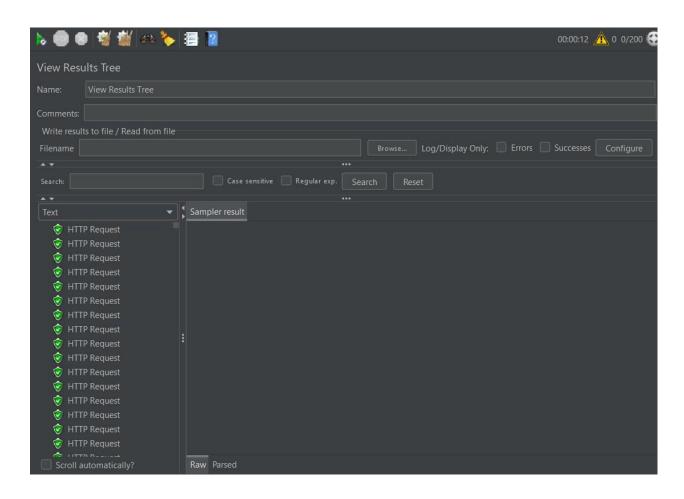
#### • Task 1:

Adding checkStyle and SAST scanner in the clone repository for checkStyle a file named checkstyle.xml is created in the root of the project and is runned through **mvn checkstyle:check** which show the violations in our code about the indentation,white spaces and variable name

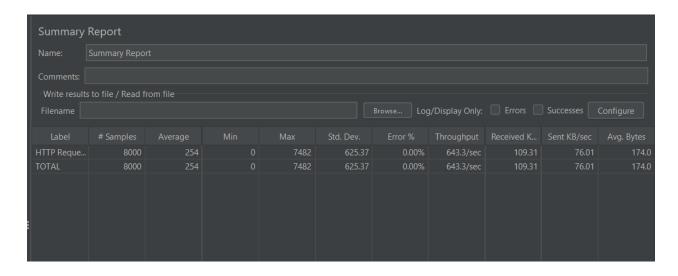
for SAST(semgrep) a .semgrep.yaml file is created in the root of the project and plugin is added in pom.xml file

### Task 2 Working Screenshots

 View Result Tree :-Showing that 200 requests are sent to Local host and all of them are passed and Positive HTTP Request shows Successful execution



Summary Report: It shows the Average , Minimum , Maximum, Error%, and Average bytes



Graph Results: This shows the graph result of the Requests to the Local Host to test the

## performance and Below is the Performance Testing Graph



#### Task 3:-

Developer_Guidl	3,415	1,516	MD File	03/12/2023 9:4	13B6CC31
Performance_Re	494	296	MD File	03/12/2023 6:5	7AE52F0C
Reliability_Requi	650	400	MD File	03/12/2023 6:5	7402E77F
Security_Require	839	502	MD File	03/12/2023 7:0	38F6C89F

covering performance, reliability, security, and developer guidelines. The performance requirements included metrics such as response time, throughput, scalability, resource utilization, and data transfer rate. Reliability requirements focused on availability, fault tolerance, recovery time, data integrity, and redundancy. Security requirements emphasized secure authentication, authorization, and protection against injection attacks, referencing industry standards and OWASP guidelines. The developer

guidelines covered coding standards, version control, documentation, code review, and unit testing, citing recognized standards and best practices in software development. Additionally, we provided references for each set of requirements to ensure reliability and security in the development process.