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JMETER
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=> It is an open source software developed using Java

=> JMETER s/w developed by Apache Org

=> JMETER is used to implement performance testing for the application

=> Performance Testing is used to identify stability and responsiveness of the application

=> Performance testing is used to identify bottlenecks of the application

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By using JMETER we can provide below statistics to the client
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1) How many users can access our application at a time ?

2) What is Avg Response time of our application ?

3) When our application will fail

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Download JMETER
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URL : https://dlcdn.apache.org//jmeter/binaries/apache-jmeter-5.6.2.zip

=> Exract JMETER zip file and run jmeter.bat file available in bin directory

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Creating Test Plan
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Step-1 : Right Click on Test plan & Add Thread Group

Step-2 : Right Click on Thread Group -> Add Sampler => Add HTTP Request

Step-3 : Configure API information in HTTP Request

Step-4 : Right Click on Thread Group -> Add Listeners

                              - Summary Report

                              - View Results Tree

Step-5 : Save Test Plan and execute it

Step-6 : Monitor View Results Tree & Summary Results

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How to execute JMETER test
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=> We need to create JMETER test in GUI mode and we should execute it in CLI mode.

Note: It is not recommended to run JMETER test in GUI mode.

Syntax To Run JMETER Test : jmeter -n -t [jmx file] -l [results file]

        ex: jmeter -n -t ashokit_test_plan_1.jmx -l ashokit_test_results.jtl

=> After test is executed we can see result.jtl file

=> Import results file into summary report in JEMTER GUI to see the resutls.