21 XML and XML Schema Assertion



This section will guide you to understand:

* How to add XML assertion
* How to add XML schema assertion

**Development Environment:**

* Apache JMeter 5.1.1 Version

This guide has three subsections, namely:

1.21.1 Adding XML assertion

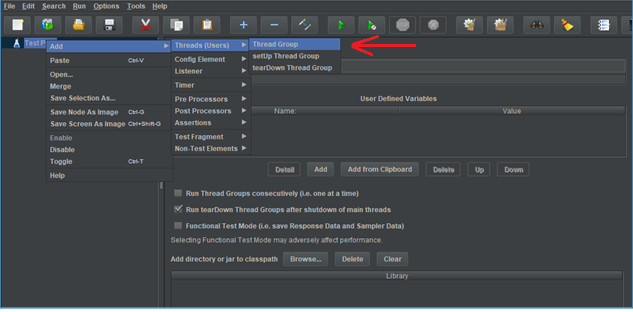
1.21.2 Adding XML schema assertion

1.21.3 Pushing the code to GitHub repositories

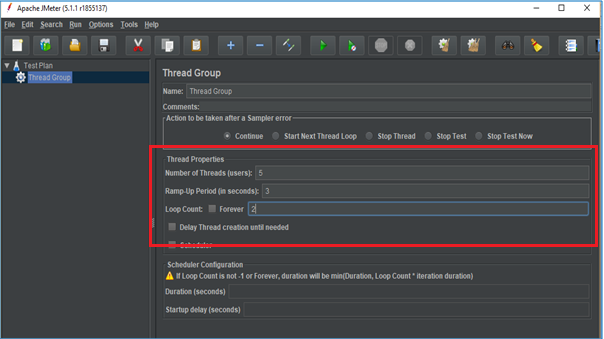
**Step 1.21.1:** Adding XML assertion

The XML assertion is used to validate that the response follows a valid XML syntax. The steps to add XML Assertion in JMeter is given below:

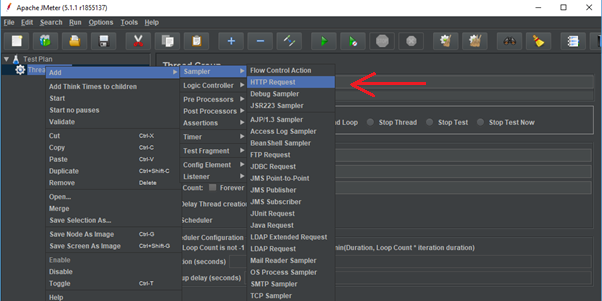
* Open the Apache JMeter.
* Click on the Test Plan.
* Rename the Test Plan.
* Right click on Test Plan --->Add--->Thread(users)--->ThreadGroup.



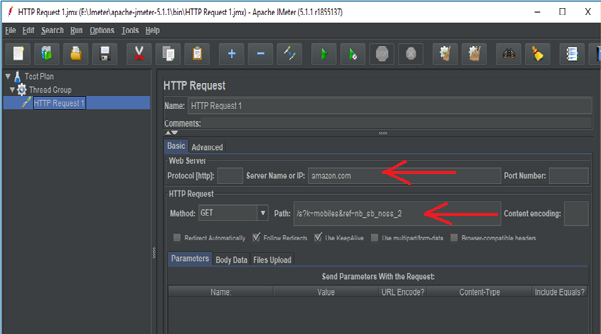
* Navigate through the given path Thread Group--->Name--->Comments---> Continue --->Thread Properties--->Number of Threads(users): ---> Ramp-Up Period (in seconds): ---> Loop Count --->Save.



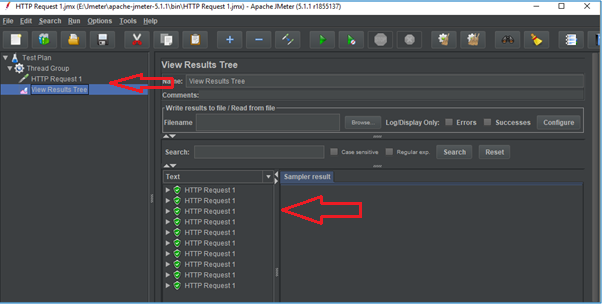
* Right click on Thread Group --->Add---> Sampler---> HTTP Request.



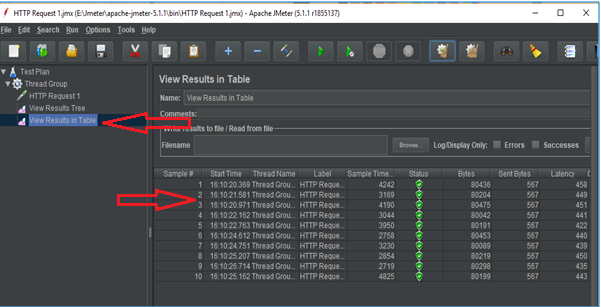
* Go to HTTP Request---> Server Name or IP :---> Path :/---> Save.



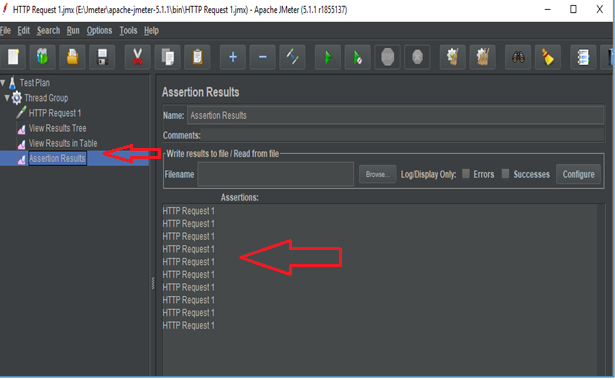
* Right click on Thread Group --->Add--->Listeners---> View Results Tree---> Run.



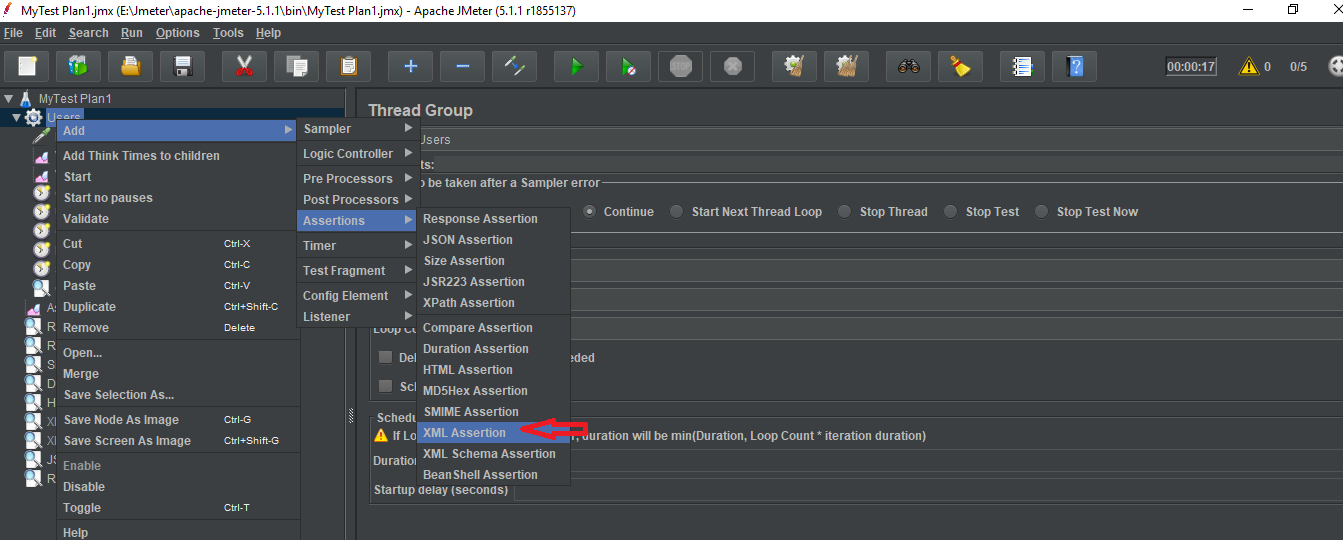
* Right click on Thread Group --->Add--->Listeners---> View Results in Table---> Clear All---> Save---> Run.



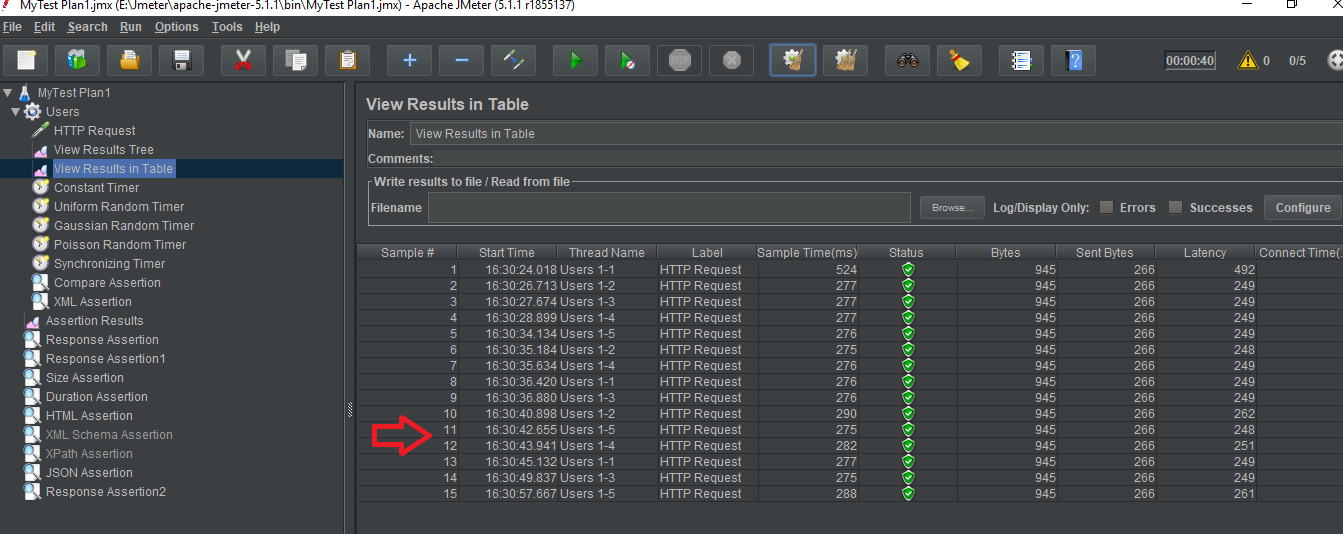
* Right click on Thread Group --->Add--->Listeners---> Assertions Results---> Clear All---> Save---> Run.



* Right click on Thread Group --->Add--->Assertions ---> XML Assertions.



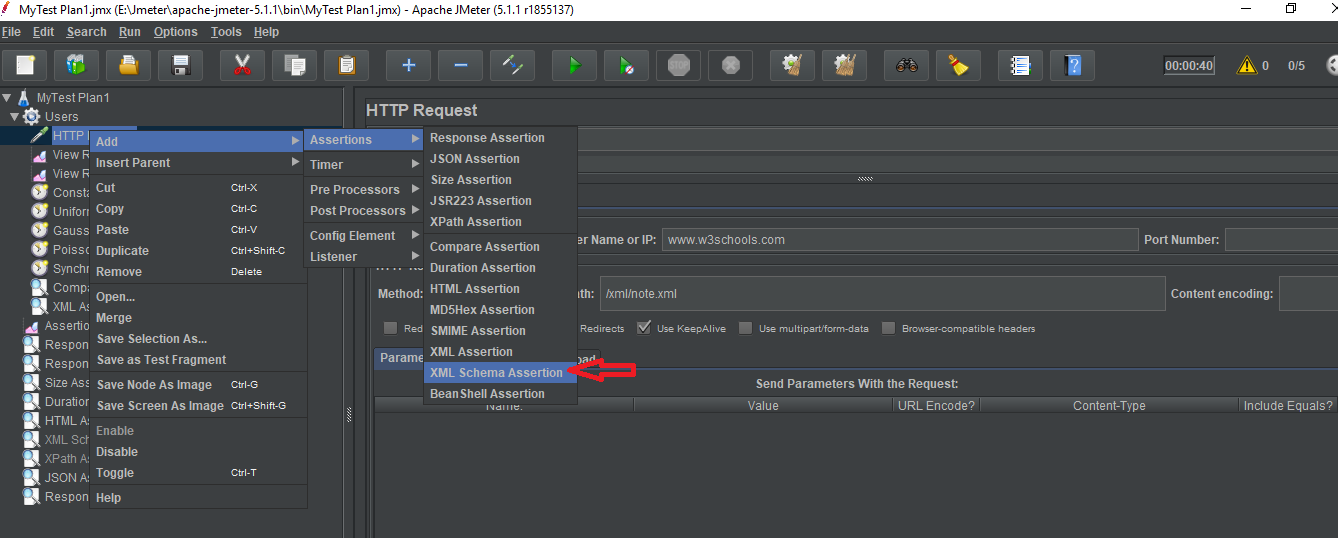
* Click on Save --->Clear All---> View Results in Table.



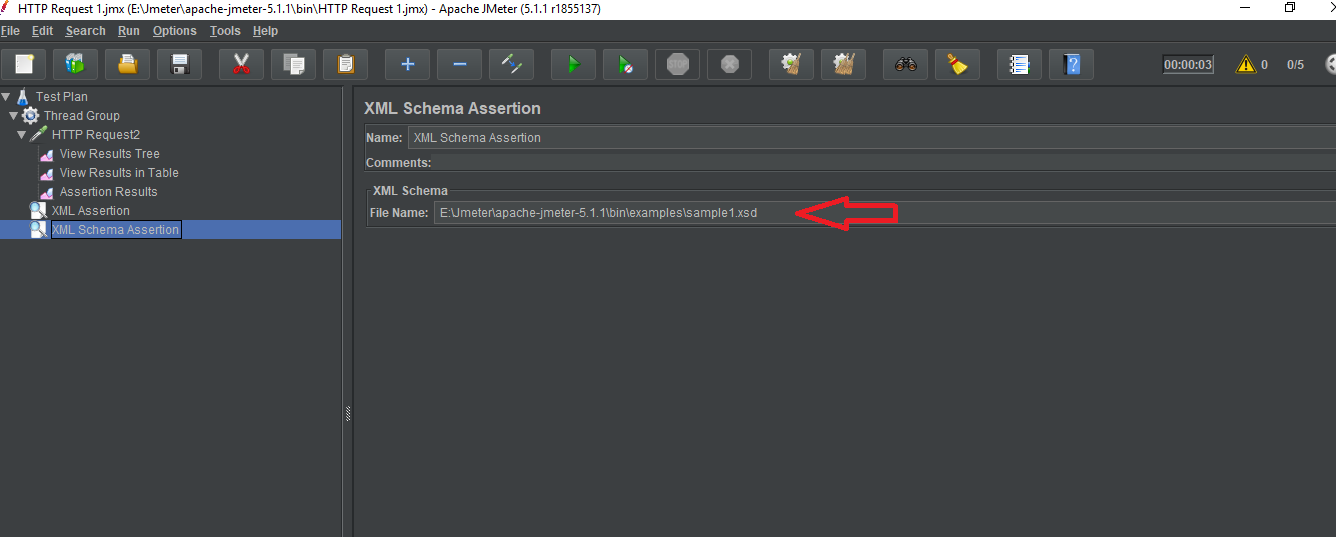
**Step 1.21.2**: Adding XML schema assertion

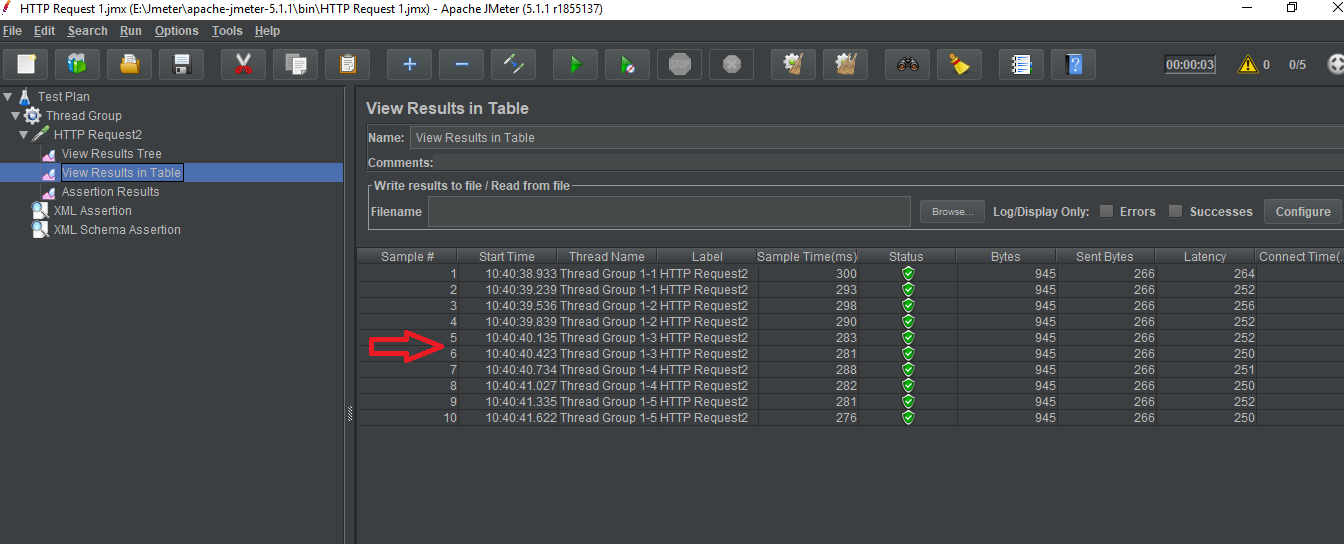
The XML schema assertion is used to validate the response against a specified XML schema. Steps to add XML schema assertion in JMeter is shown below:

* Open the Apache JMeter.
* Click on the Test Plan.
* Rename the Test Plan.
* Right click on Test Plan --->Add--->Thread(users)--->Thread Group.
* Right click on Thread Group --->Add--->Assertions ---> XML Schema Assertions.



* Enter file name for XML schema---> Save.



* Click on Clear All---> Run ---> View Results in Table.

**Step 1.21.3**: Pushing the code to GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add . 

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master