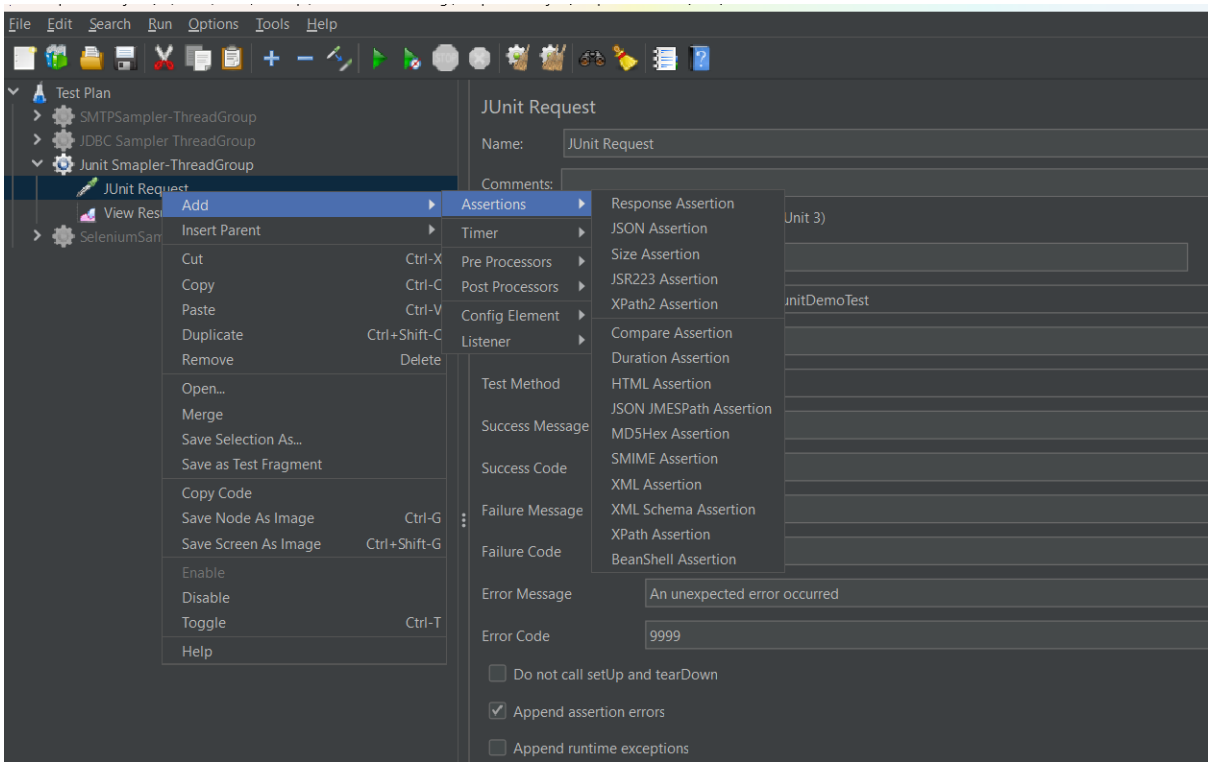
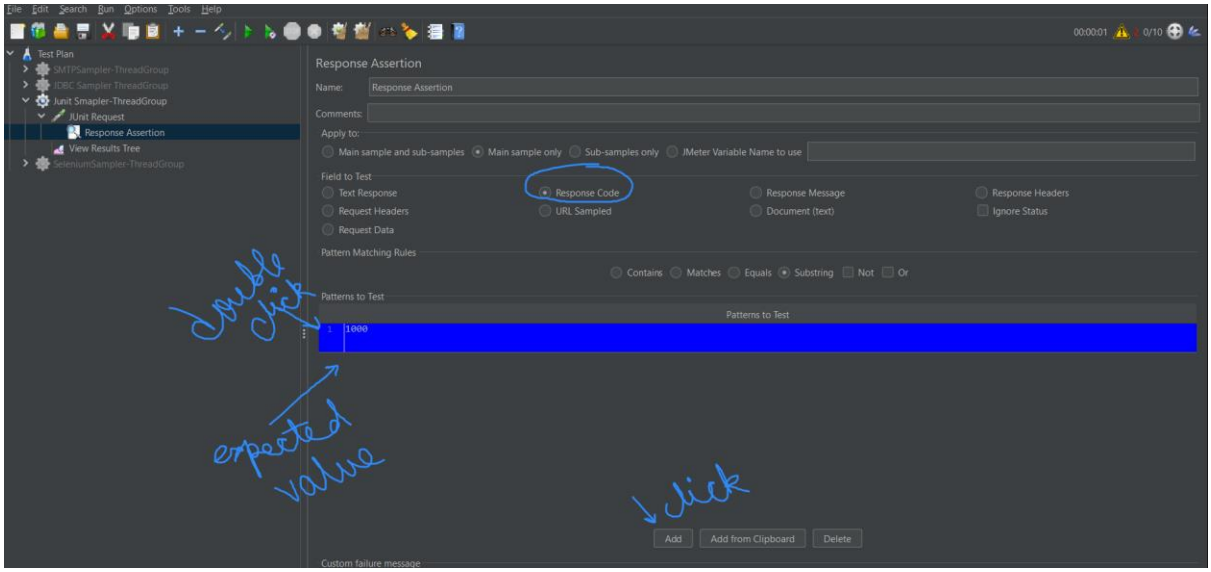
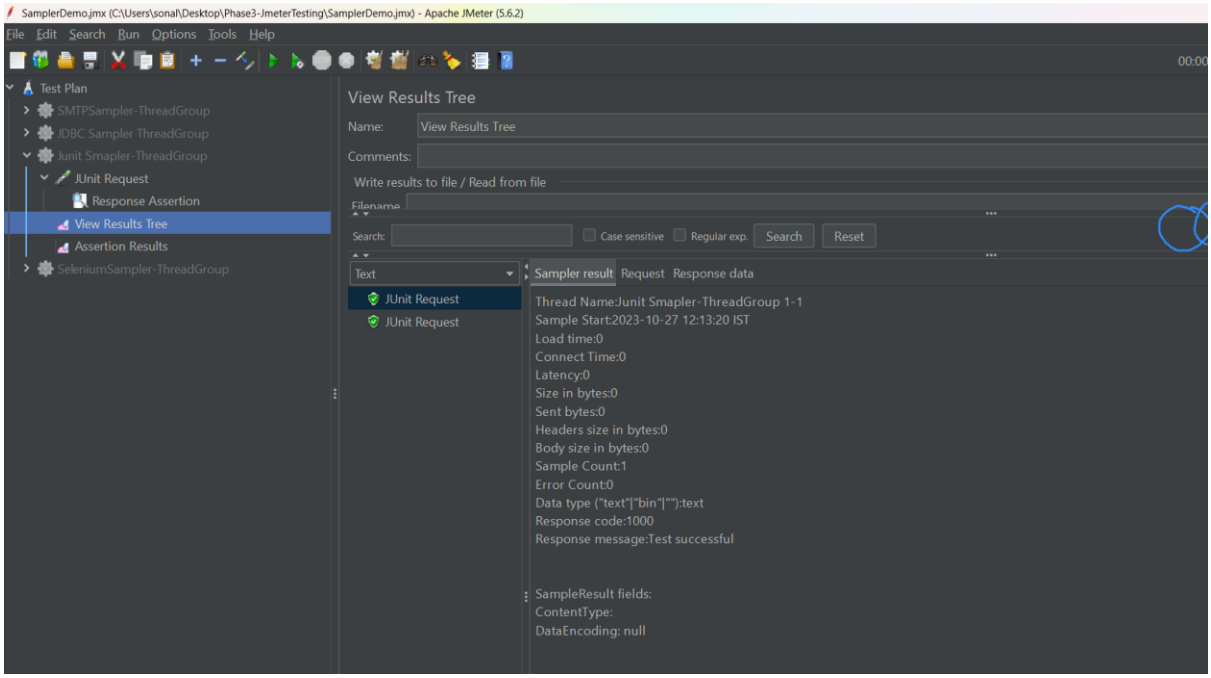
Assertions in Jmeter

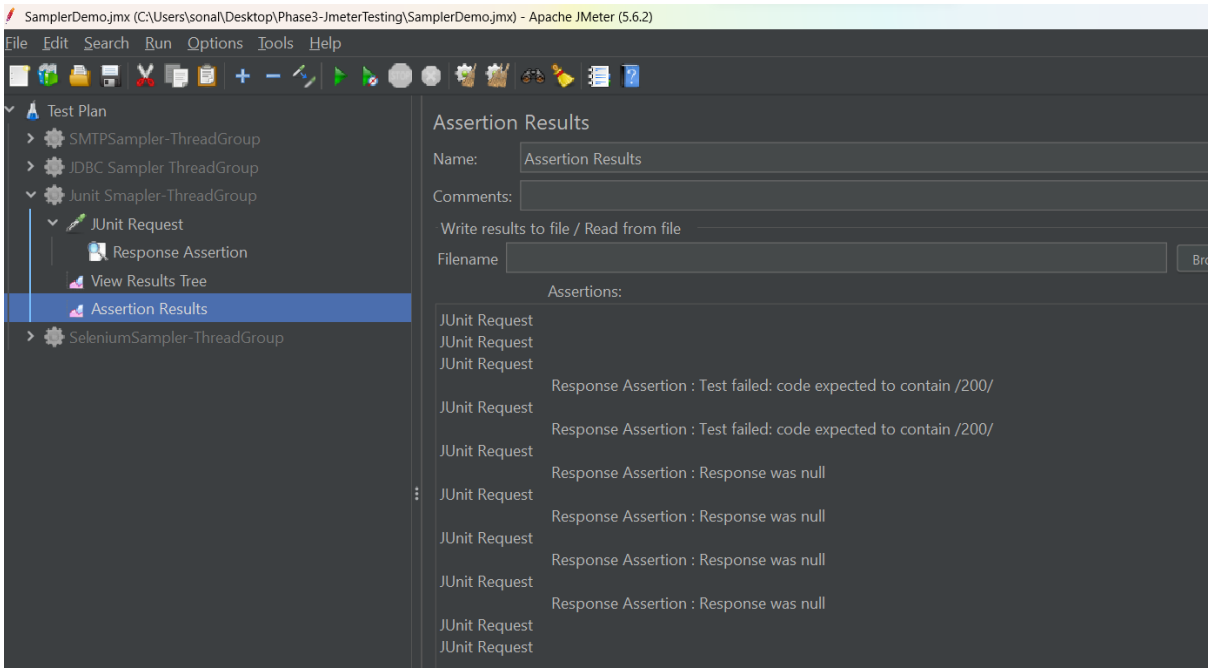
1. Response assertion:

Take the junit Sampler request again → right click on junit sampler and add → assertion → Response assertion




File Edit Search Run Options Tools Help
Test Plan
SMTPSampler-ThreadGroup
JDBC Sampler ThreadGroup
Junit Smapler-ThreadGroup
JUnit Request
Response Assertion
View Results Tree
SeleniumSampler-ThreadGroup
Response Assertion
Name: Response Assertion
Comments:
Apply to:
Main sample and sub-samples
Main sample only
Sub-samples only
JMeter Variable Name to use
Field to Test
Text Response
Response Code
Response Message
Response Headers
Request Headers
URL Sampled
Document (text)
Ignore Status
Request Data
Pattern Matching Rules
Contains
Matches
Equals
Substring
Not
Or
Patterns to Test
1000
double click
expected value
click
Add
Add from Clipboard
Delete
Custom failure message


SamplerDemo.jmx (C:\Users\sonal\Desktop\Phase3-JmeterTesting\SamplerDemo.jmx) - Apache JMeter (5.6.2)
File Edit Search Run Options Tools Help
Test Plan
SMTPSampler-ThreadGroup
JDBC Sampler ThreadGroup
Junit Smapler-ThreadGroup
JUnit Request
Response Assertion
View Results Tree
Assertion Results
SeleniumSampler-ThreadGroup
View Results Tree
Name: View Results Tree
Comments:
Write results to file / Read from file
Filename
Search:
Case sensitive
Regular exp.
Search
Reset
Text
JUnit Request
JUnit Request
Sampler result
Request
Response data
Thread Name:Junit Smapler-ThreadGroup 1-1
Sample Start:2023-10-27 12:13:20 IST
Load time:0
Connect Time:0
Latency:0
Size in bytes:0
Sent bytes:0
Headers size in bytes:0
Body size in bytes:0
Sample Count:1
Error Count:0
Data type ("text"|"bin"|""):text
Response code:1000
Response message:Test successful
SampleResult fields:
ContentType:
DataEncoding: null

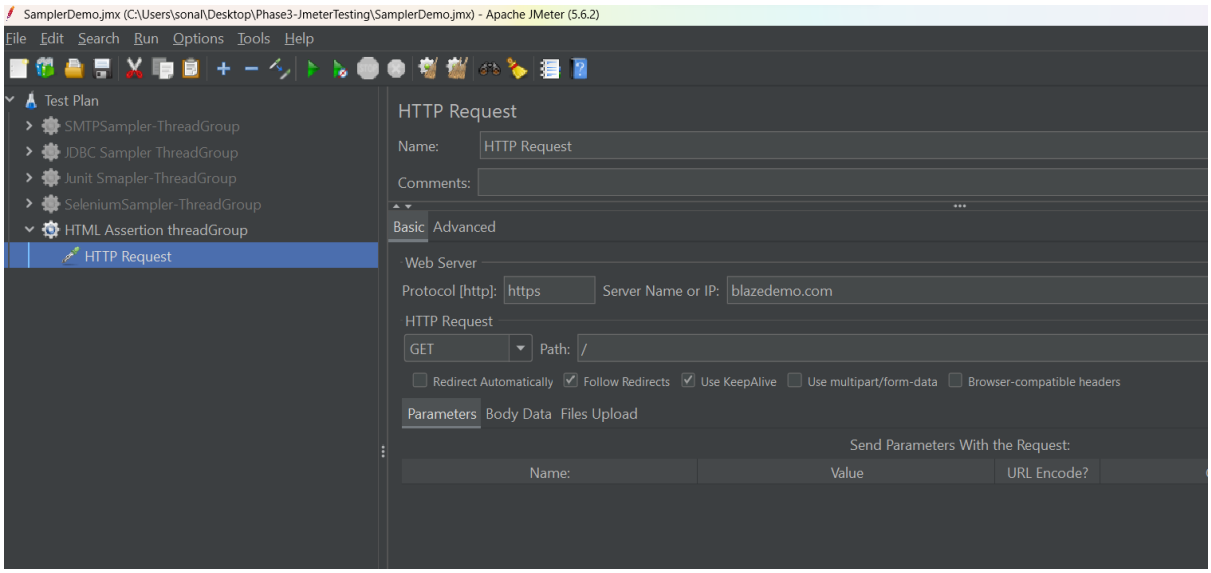


HTML Assertion

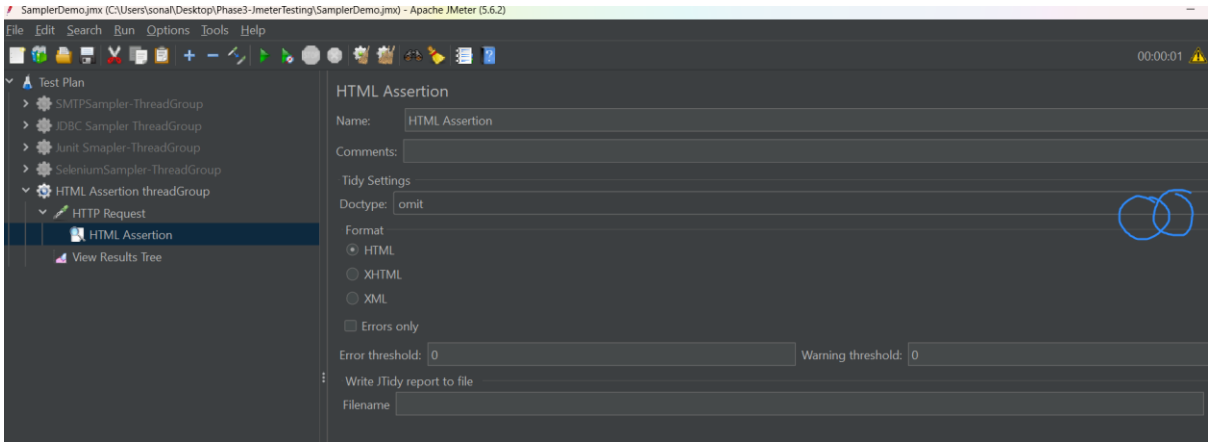
It captures errors and warnings on the HTML page that jmeter connects to

After which it can put those errors and warning in a file and save it.

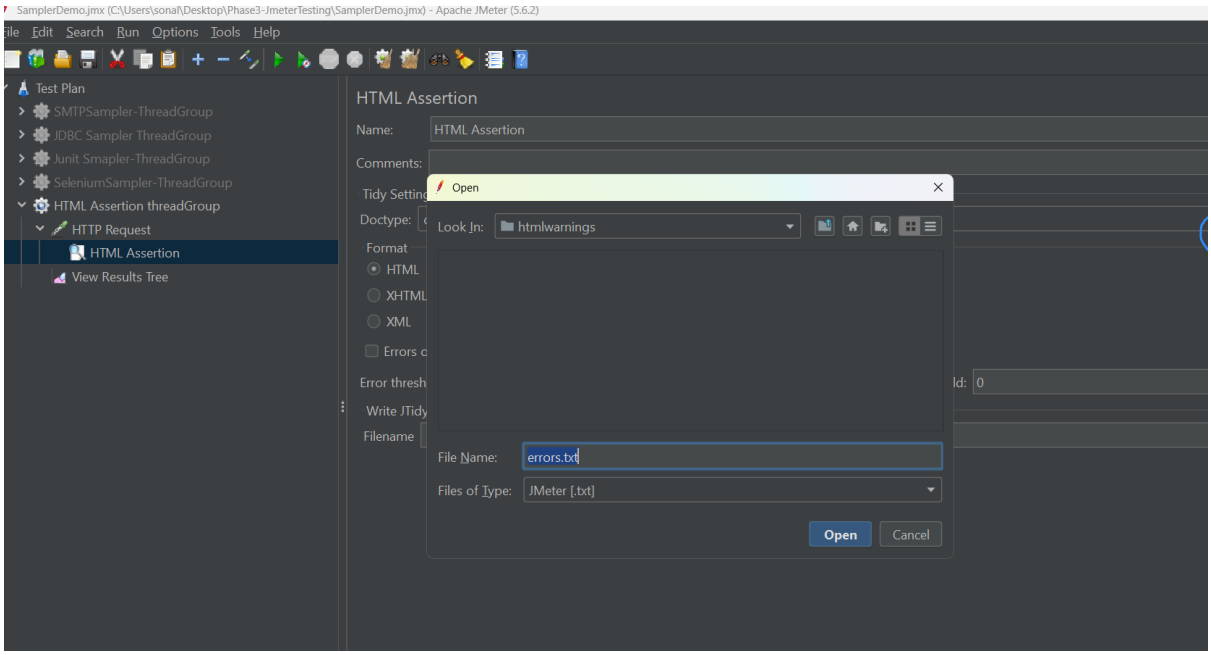
Create a Thread group → add sampler HTTP request

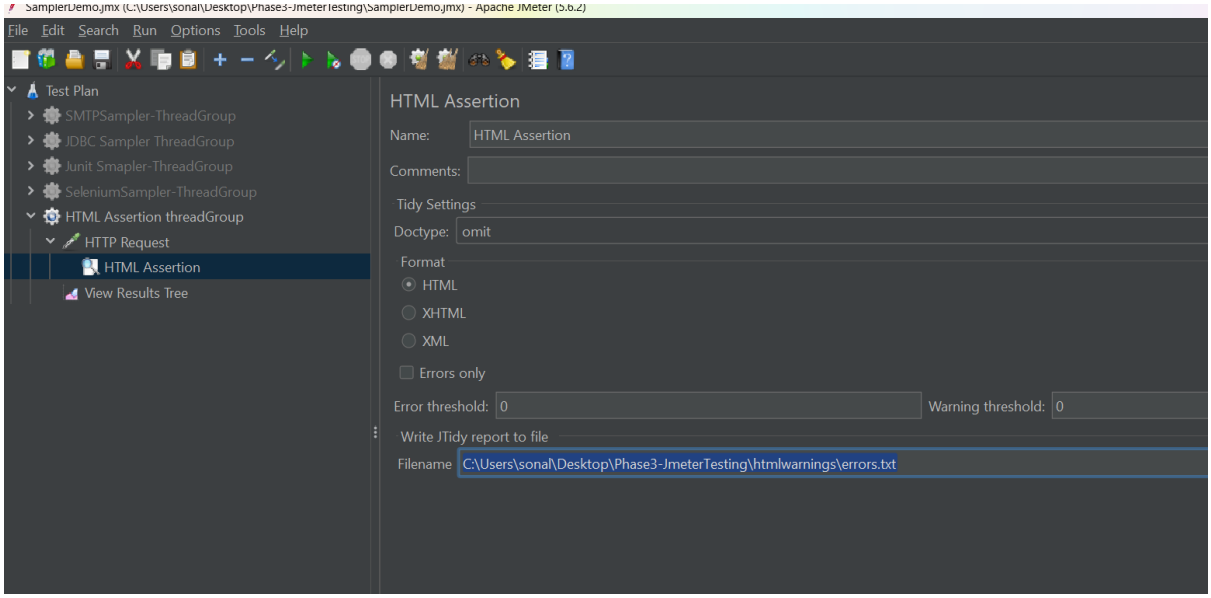


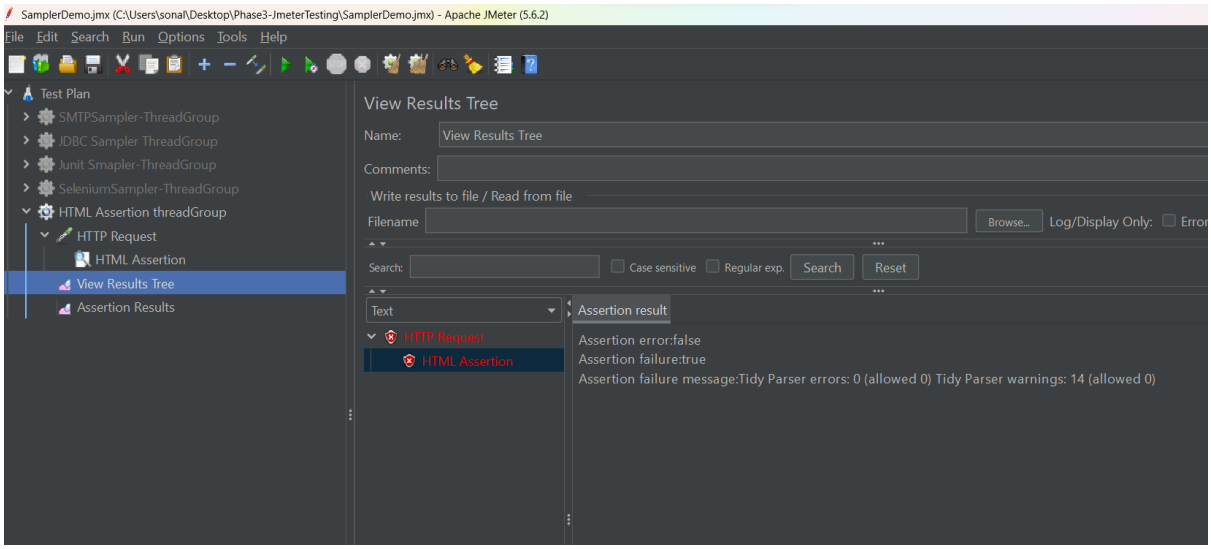
Add HTMl assertion to http sampler



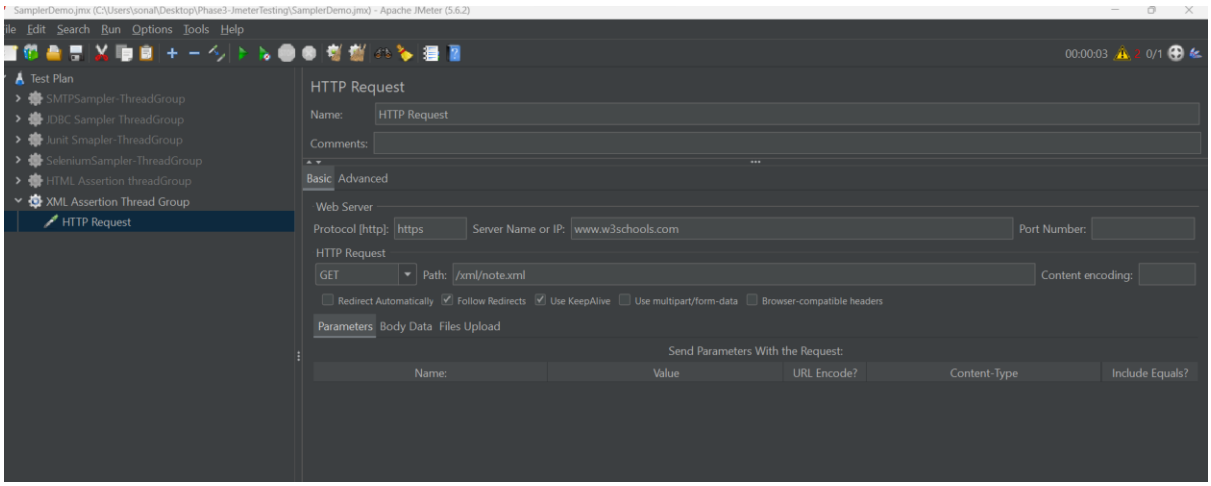
Create a new folder using browser button, also give the file name at the same time

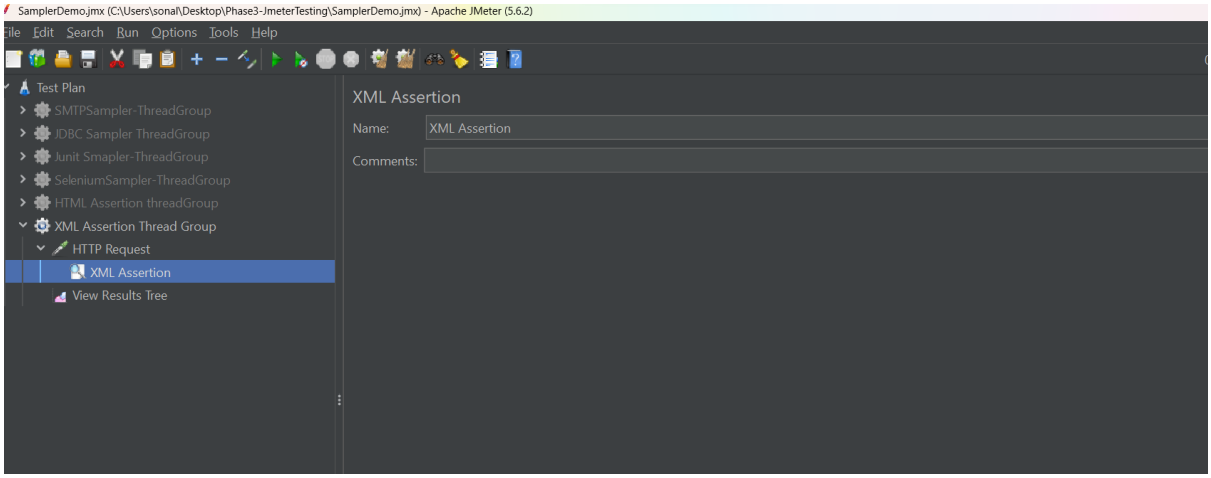




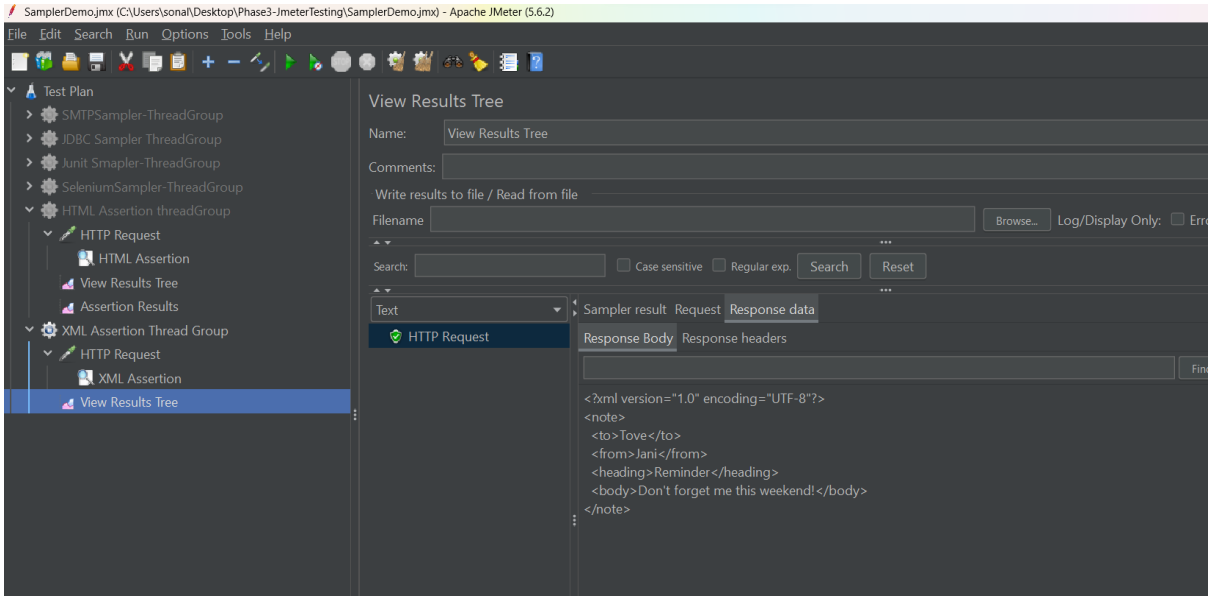


XML assertion





The assertion will just check if the response of the https request is an XML or not.

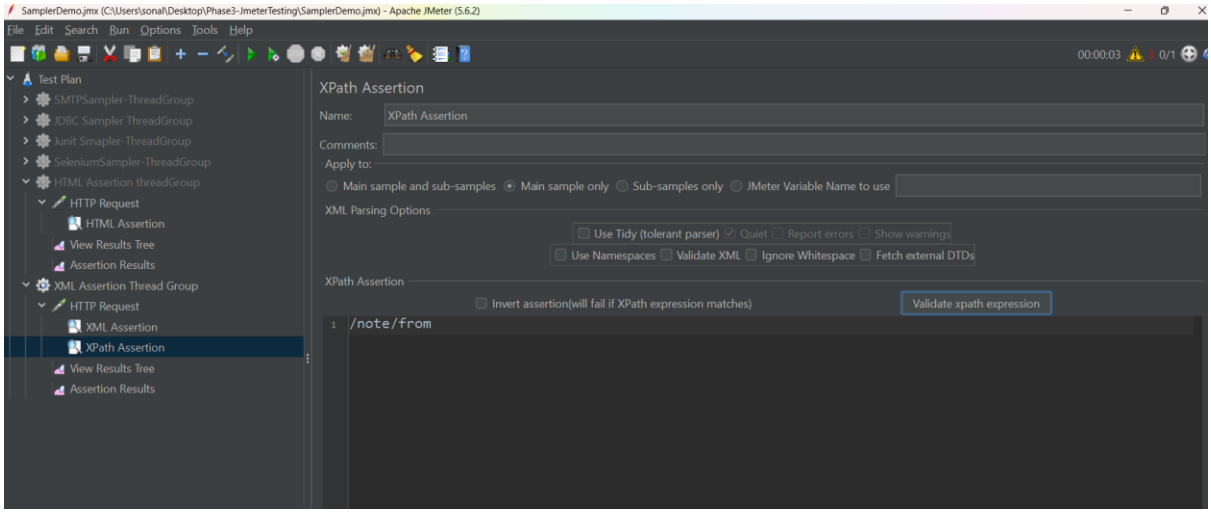


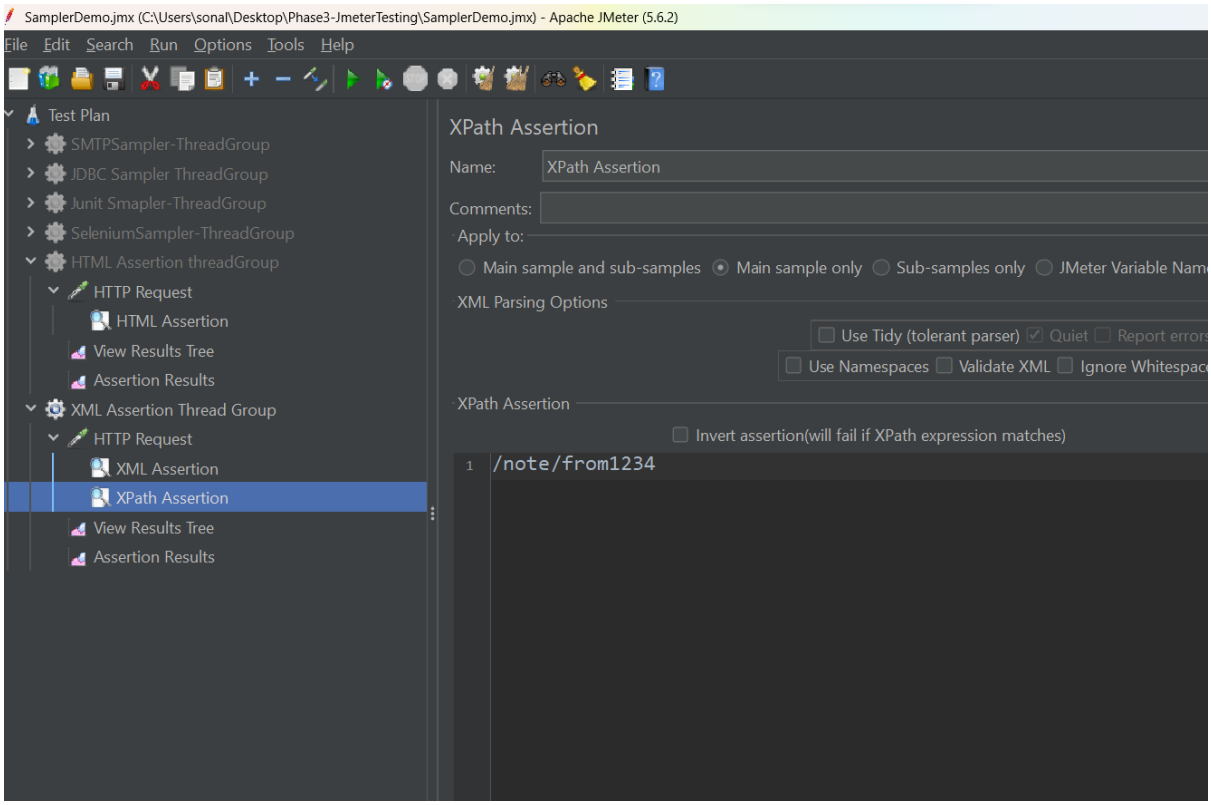
XPATH Assertion

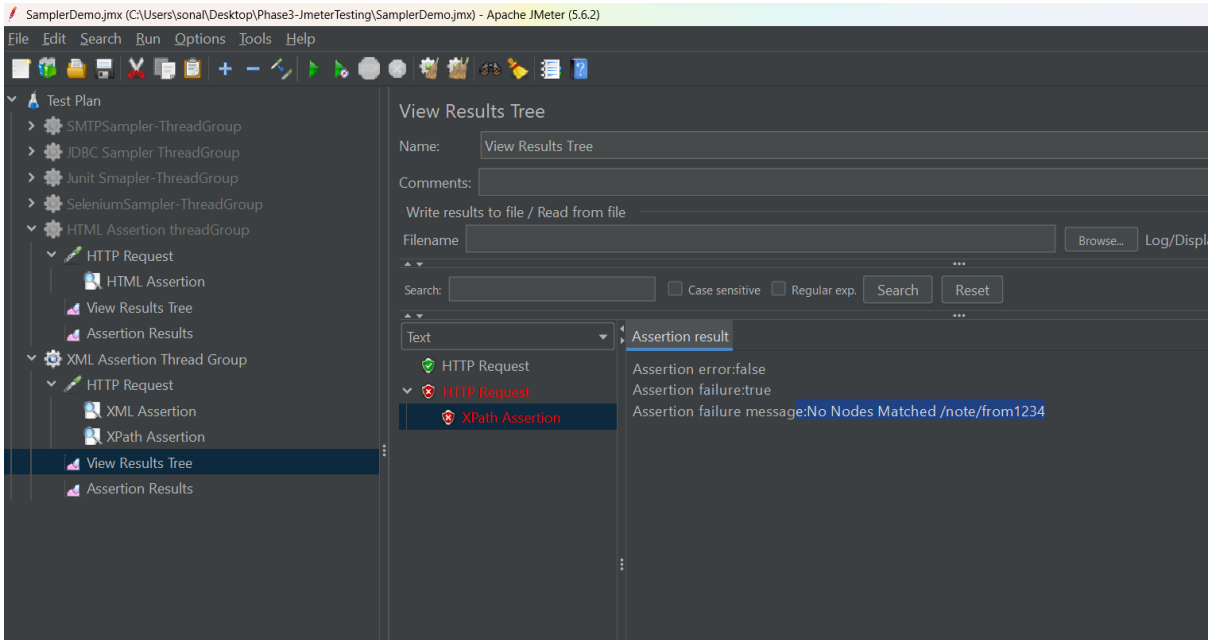
XPATH assertion check for availability of XML path in the response from http request

```
<note>
<to>Tove</to>
<from>Jani</from>
<heading>Reminder</heading>
<body>Don't forget me this weekend!</body>
</note>
```

Here we can check and validate if we have xpath like : /not/to/from in the response







XML schema Assertion

It just check if xml response is having a schema or not

Take you XML file and generate the schema for it:

<note>

<to>Tove</to>

<from>Jani</from>

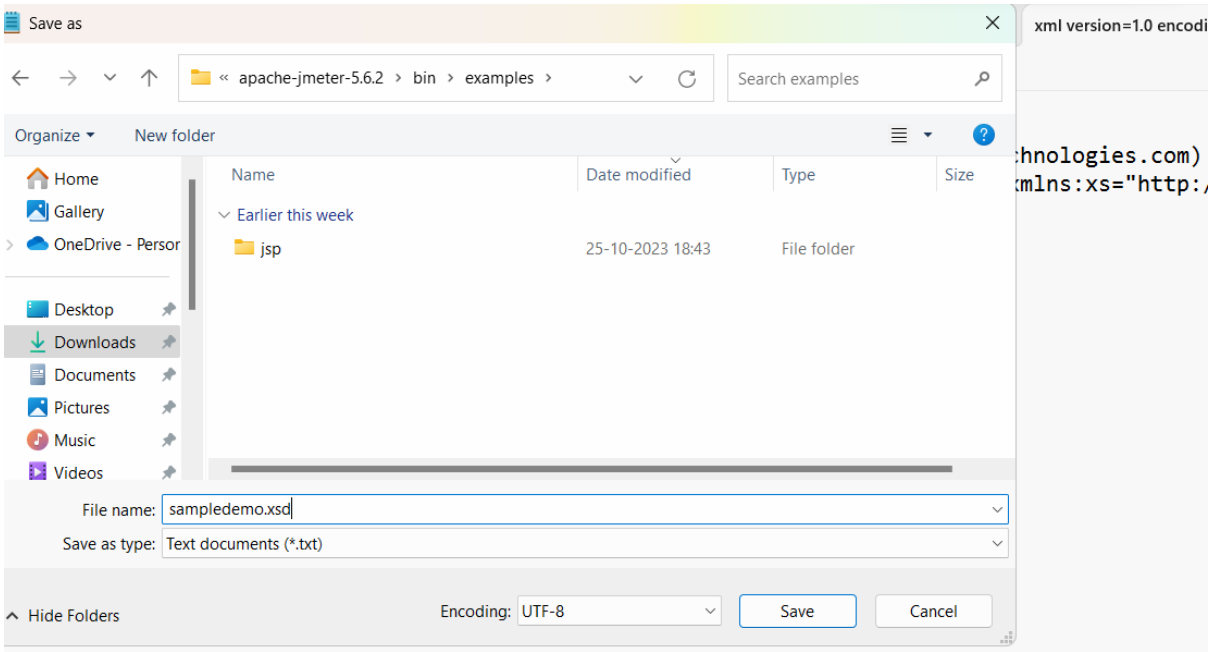
<heading>Reminder</heading>

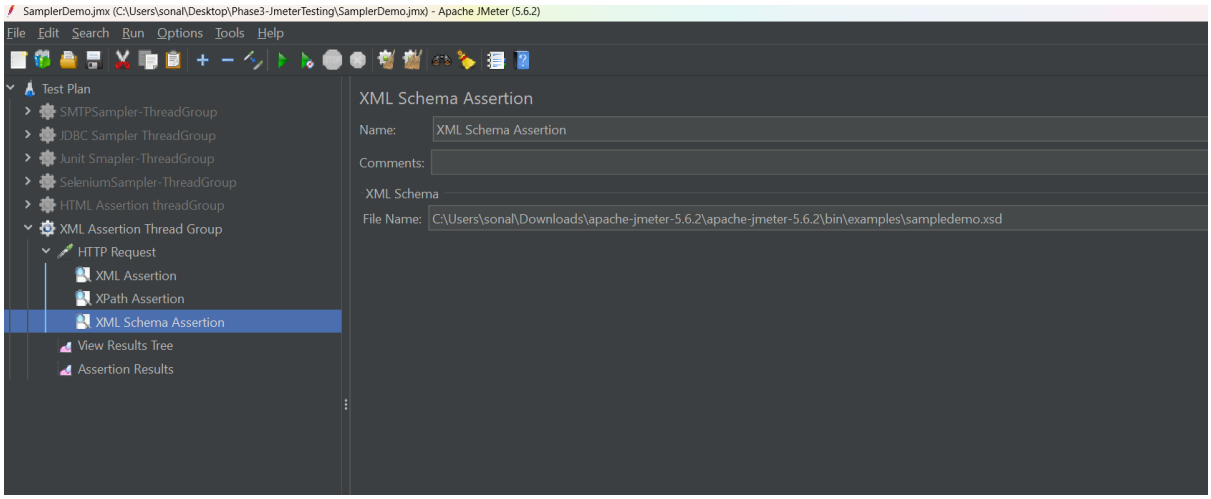
<body>Don't forget me this weekend!</body>

</note>

```
<?xml version="1.0" encoding="utf-8"?>
<!-- Created with Liquid Technologies Online Tools 1.0 (https://www.liquid-technologies.com) -->
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="note">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="to" type="xs:string" />
        <xs:element name="from" type="xs:string" />
        <xs:element name="heading" type="xs:string" />
        <xs:element name="body" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

Save the XSD file in jmeter→bin→examples


Save as
apache-jmeter-5.6.2 › bin › examples ›
Search examples
Organize
New folder
Home
Gallery
OneDrive - Persor
Desktop
Downloads
Documents
Pictures
Music
Videos
Name
Date modified
Type
Size
Earlier this week
jsp
25-10-2023 18:43
File folder
File name: sampledemo.xsd
Save as type: Text documents (*.txt)
Hide Folders
Encoding: UTF-8
Save
Cancel
xml version=1.0 encodi
hnologies.com)
mlns:xs="http:/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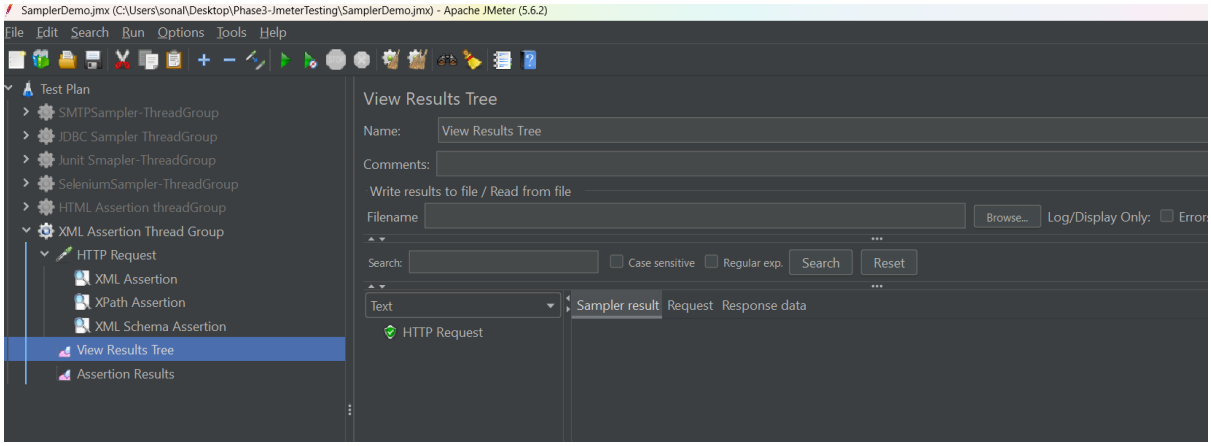
HTML Assertion threadGroup
XML Assertion Thread Group
HTTP Request
XML Assertion
XPath Assertion
XML Schema Assertion
View Results Tree
Assertion Results
XML Schema Assertion
Name: XML Schema Assertion
Comments:
XML Schema
File Name: C:\Users\sonal\Downloads\apache-jmeter-5.6.2\apache-jmeter-5.6.2\bin\examples\sampledemo.xsd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XML Assertion Thread Group
HTTP Request
XML Assertion
XPath Assertion
XML Schema Assertion
View Results Tree
Assertion Results
View Results Tree
Name:
View Results Tree
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only:
Search:
Case sensitive
Regular exp.
Search
Reset
Text
Sampler result
Request
Response data
HTTP Request