



CONTENTS

Fresher Automation Tester

Extending Jmeter

FPT Software
FRESHER ACADEMY

#	Author	Changes Made	Date	Version	Reviewer	Approver
1	LamNS3	docs: create template file	18/01/2019	1.0.0		

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FA Logo	Lab Code/Course Code	Duration in Minutes
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EXERCISE 01

Working with HTTP Request sampler

1. Create a test plan and give it a meaningful name, such as HTTP Client Implementation Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add Thread Group.
3. Click on Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as google.com and Method as GET.
4. Click on HTTP Request and go to Edit ➤ Add ➤ Assertions. Add Response Assertion. Configure Response Field to Test as Response Code, Pattern Matching Rules as Equals, and Patterns To Test as 200.
5. Click on Thread Group and go to Edit ➤ Add ➤ Listener. Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph

EXERCISE 02

Working with Ultimate Thread Group

1. Create a test plan and give it a meaningful name, such as Ultimate Thread Group Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add jp@gc - Ultimate Thread Group

3. We have 3 Thread count as **30, 20 & 50**.
Initial delay for all 3 Threads is kept same as **20 seconds**.
So after initiation of execution, Jmeter will wait for **15 seconds to send the 1st thread to the server**.
Startup Time is also same as **10 seconds**. Hence, within **10 seconds all 100 Users** will be sent to the server.
Now Hold Load Time is different for each row: **50, 100 & 150 seconds**.
4. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as amazon.com and Method as GET.
5. Click on HTTP Request and go to Edit ➤ Add ➤ Assertions. Add Response Assertion. Configure Response Field to Test as Response Code, Pattern Matching Rules as Equals, and Patterns To Test as 200.
6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener. Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph

EXERCISE 03

Working with Constant Timer

1. Create a test plan and give it a meaningful name, such as Constant Timer Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add jp@gc - Ultimate Thread Group
We have 1 Thread count as **10**
Initial delay for Thread is kept same as **3 seconds**.
So after initiation of execution, Jmeter will wait for **5 seconds to send the 1st thread to the server**.
Startup Time is also same as **10 seconds**. Hence, within **10 seconds all 10 Users** will be sent to the server.
Now Hold Load Time is **50 seconds**.

3. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Timer. Add Constant Timer. Configure it with a value of **5000** milliseconds.
4. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **google.com** and Method as GET.
5. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **amazon.com** and Method as GET.
6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **tiki.com** and Method as GET.
7. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener. Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph
8. Run the test.

EXERCISE 04

Working with Uniform Random Timer

1. Create a test plan and give it a meaningful name, such as Constant Timer Test.
2. Click on Test Plan and go to Edit ➤ Add ➤ Threads (Users). Add jp@gc - Ultimate Thread Group
We have 1 Thread count as **10**
Initial delay for Thread is kept same as **3 seconds**.
So after initiation of execution, Jmeter will wait for **5 seconds to send the 1st thread to the server**.
Startup Time is also same as **10 seconds**. Hence, within **10 seconds all 10 Users** will be sent to the server.
Now Hold Load Time is **50 seconds**.
3. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Timer. Add Uniform Random Timer. Configure Random Delay Maximum (in Milliseconds) as **5000** and Constant Delay Offset (in Milliseconds) as **10000**

4. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **google.com** and Method as GET.
5. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **amazon.com** and Method as GET.
6. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Sampler. Add HTTP Request. Configure Server Name or IP as **tiki.com** and Method as GET.
7. Click on Ultimate Thread Group and go to Edit ➤ Add ➤ Listener. Add View Results Tree, Summary Report, Aggregate Report, Aggregate Graph
8. Run the test.