

# 01\_HW\_13

May 11, 2022

## 1 Distributed Systems (LTAT.06.007)

### 1.1 Seminar 13: Setting Up JMeter and Create a Test Plan containing Different User Groups

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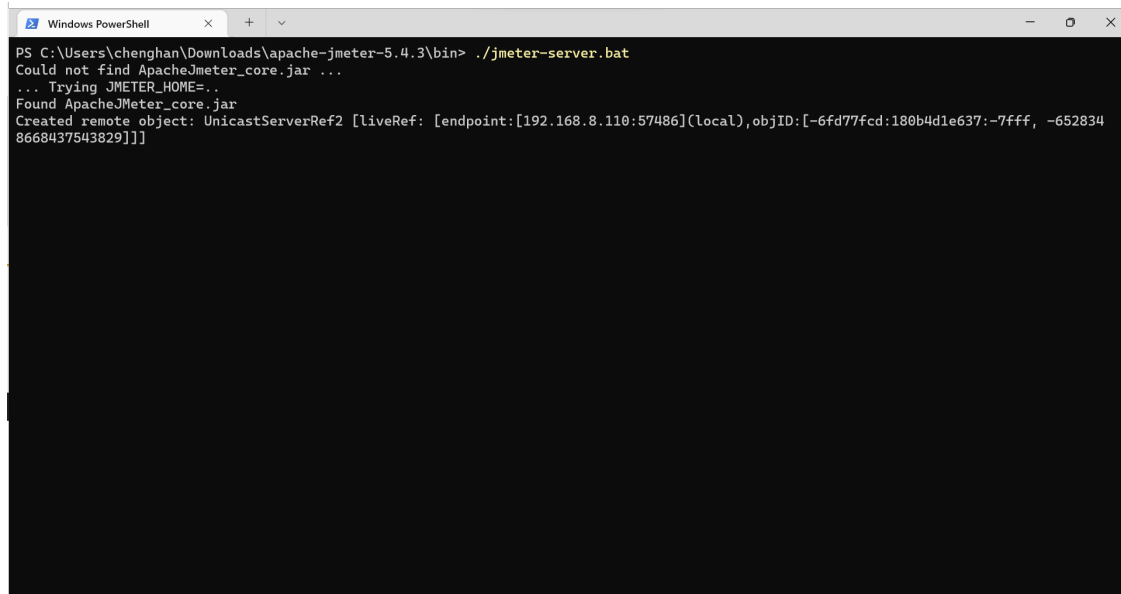
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#### 1.2 Task

Based on the exercise, download the new(.jmx file) (Code). Open the downloaded .jmx with JMeter (File → Open). Three ThreadGroups have been added to the code and have been named as BubbleSort, InsertionSort and TOH and the JSR223 Sampler has been added to the respective thread groups.

(A)

#### 1.1 Run the Test on JMeter Server (remote use)



```
Windows PowerShell
PS C:\Users\chenghan\Downloads\apache-jmeter-5.4.3\bin> ./jmeter-server.bat
Could not find ApacheJmeter_core.jar ...
... Trying JMeter_HOME=..
Found ApacheJmeter_core.jar
Created remote object: UnicastServerRef2 [liveRef: [endpoint:[192.168.8.110:57486](local),objID:[-6fd77fcd:180b4d1e637:-7fff, -6528348668437543829]]]
```

#### 1.2 Run the Test on JMeter Server

Server Side

```
Windows PowerShell
PS C:\Users\chenghan\Downloads\apache-jmeter-5.4.3\bin> ./jmeter-server.bat
Could not find ApacheJmeter_core.jar ...
... Trying JMeter_HOME=..
Found ApacheJMeter_core.jar
Created remote object: UnicastServerRef2 [liveRef: [endpoint:[192.168.8.110:57486](local),objID:[-6fd77fcd:180b4d1e637:-7fff, -652834
8668437543829]]]
Starting the test on host 192.168.8.110 @ Wed May 11 23:32:55 EEST 2022 (1652301175134)
Finished the test on host 192.168.8.110 @ Wed May 11 23:32:56 EEST 2022 (1652301176892)
```

## Client Side

```
Windows PowerShell
PS C:\Users\chenghan\Downloads\apache-jmeter-5.4.3\bin> ./jmeter -n -t "test.jmx" -l "test.csv" -R "192.168.8.110"
Creating summariser <summary>
Created the tree successfully using test.jmx
Configuring remote engine: 192.168.8.110
Starting distributed test with remote engines: [192.168.8.110] @ Wed May 11 23:32:54 EEST 2022 (1652301176605)
Remote engines have been started: [192.168.8.110]
Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445
summary = 15 in 00:00:01 = 10.4/s Avg: 587 Min: 16 Max: 1359 Err: 5 (3.33%)
Tidying up remote @ Wed May 11 23:32:56 EEST 2022 (1652301176891)
... end of run
PS C:\Users\chenghan\Downloads\apache-jmeter-5.4.3\bin>
```

The .jmx file and result, please check `test.jmx` and `test.csv` in the folder.