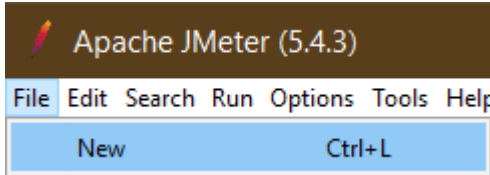
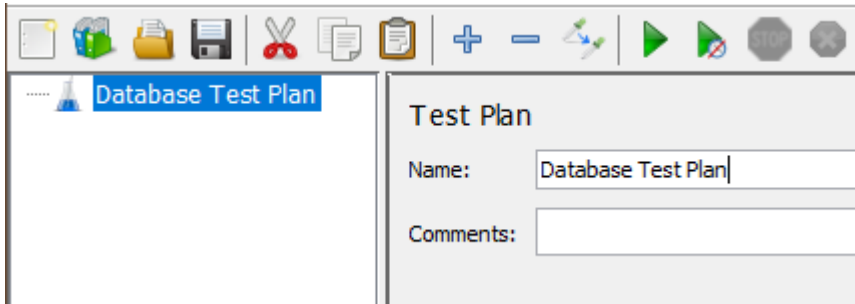
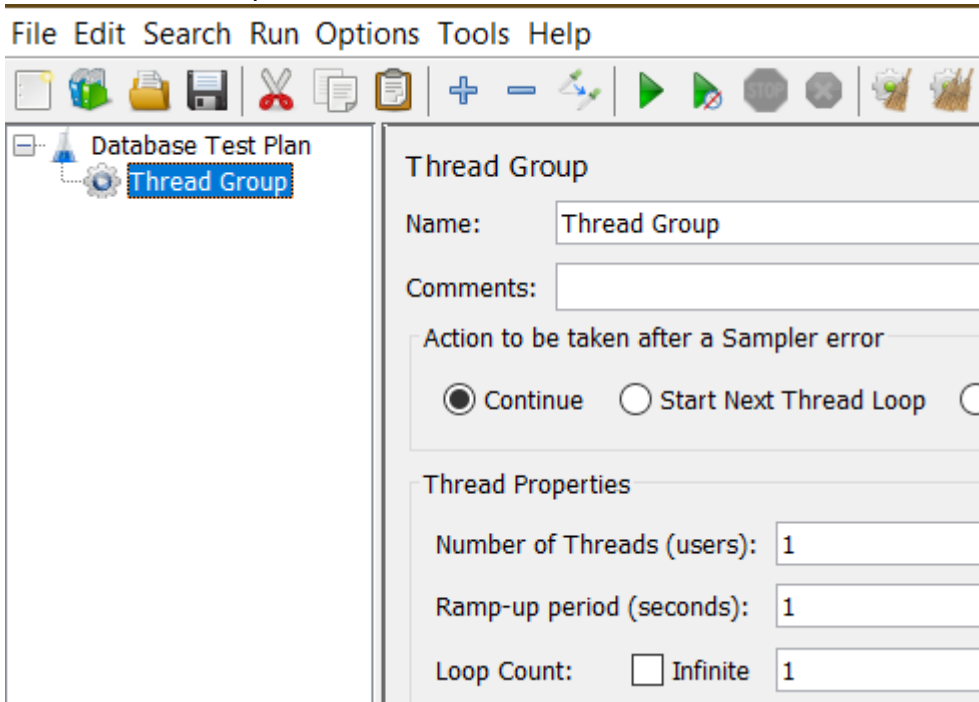
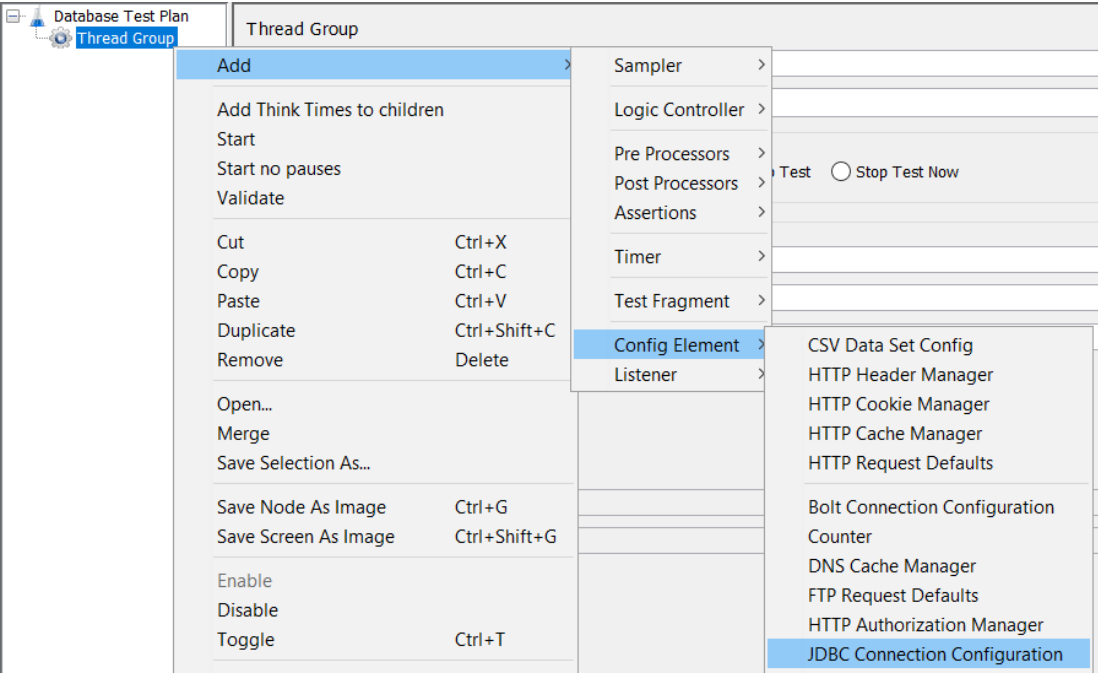


# JMETER - BUILDING SQLITE DB TEST PLAN

|           |                                                                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Objective | Create a basic Test Plan to test a database connection.                                                                                                                       |
| Task      | <p>Create 1 user that sends requests to the database.<br/>Run their tests twice.</p> <p>i.e.<br/>(1 users)<br/>x (1 request)<br/>x (repeat 1 time)<br/>= 15 HTTP requests</p> |
|           |                                                                                                                                                                               |

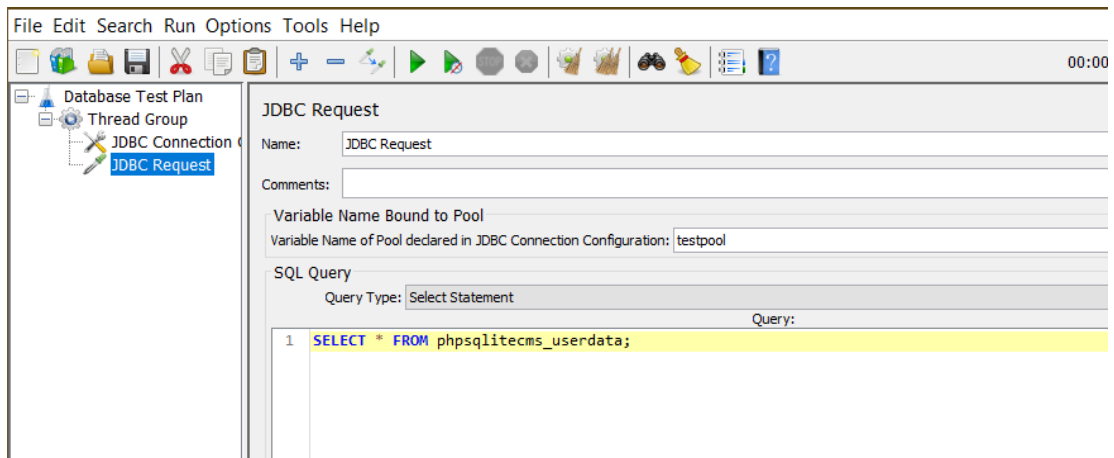
| No                                                               | Instruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------|
| 0                                                                | <p>Before running Jmeter, add a sqlite connector to Jmeter Libraries.</p> <p>Download the connector,<br/><a href="https://drive.google.com/file/d/1byDCKmJPwVgk3ZhFV60yiQch6DDd_oAe/view?usp=sharing">https://drive.google.com/file/d/1byDCKmJPwVgk3ZhFV60yiQch6DDd_oAe/view?usp=sharing</a></p> <p>Put this connector into the Apache Jmeter <b>lib</b> folder.</p> <table><tr><td>For Chocolatey Installation</td></tr><tr><td>C:\ProgramData\chocolatey\lib\jmeter\tools\apache-jmeter-5.5\lib</td></tr></table> <div><div>&lt; ApacheJMeter &gt; lib &gt;</div><div><div>^</div><div><div>Name</div><div> sqlite-jdbc-3.36.0.3.jar</div></div></div></div> <p>Download the test database,<br/><a href="https://drive.google.com/file/d/1LKOfSHaqPIda9Zg48KS3sMOa4Z3tyeZw/view?usp=sharing">https://drive.google.com/file/d/1LKOfSHaqPIda9Zg48KS3sMOa4Z3tyeZw/view?usp=sharing</a></p> | For Chocolatey Installation | C:\ProgramData\chocolatey\lib\jmeter\tools\apache-jmeter-5.5\lib |
| For Chocolatey Installation                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |                                                                  |
| C:\ProgramData\chocolatey\lib\jmeter\tools\apache-jmeter-5.5\lib |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |                                                                  |

|   |                                                                                                                                                                    |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Put the test database into <b>c:\test\</b>                                                                                                                         |
| 1 | <p>Add a new test plan.</p>                                                       |
| 2 | <p>Rename the test plan as <b>Web Test Plan</b>.<br/>Click the Save button.</p>  |
| 3 | <p>Add a Thread Group.</p>                                                     |
| 4 | Add JDBC Connection Configuration config element.                                                                                                                  |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |  <p>The screenshot shows the 'Database Test Plan' window with a 'Thread Group' selected. A right-click context menu is open, displaying various actions. The 'Add' option is highlighted, and its sub-menu is expanded, showing options like 'Sampler', 'Logic Controller', 'Pre Processors', 'Post Processors', 'Assertions', 'Timer', 'Test Fragment', 'Config Element', and 'Listener'. The 'Config Element' sub-menu is further expanded, listing various configuration managers, with 'JDBC Connection Configuration' at the bottom, highlighted in blue.</p> |
| 5 | <p>Set connection parameters.</p> <p>Variable name for created pool: testpool<br/>         Database URL: jdbc:sqlite:c:\test\userdata.sqlite<br/>         JDBC Driver Class: org.sqlite.JDBC<br/>         Connection Properties: journal_mode=wal</p>                                                                                                                                                                                                                                                                                                                                                                                                |

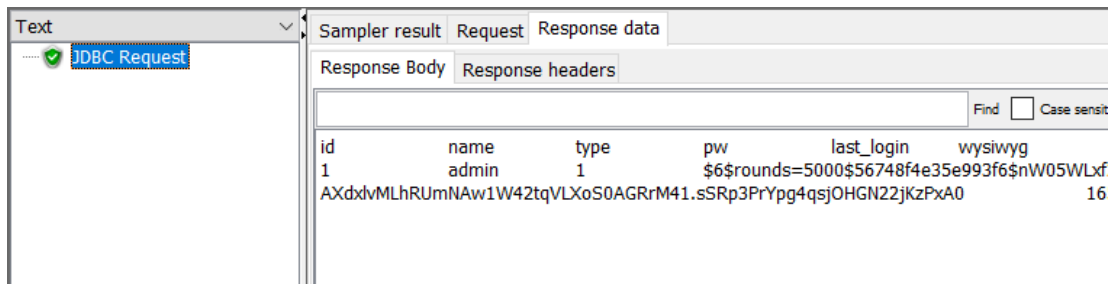
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <div data-bbox="287 212 1385 1339"> <h3>JDBC Connection Configuration</h3> <p>Name: <input type="text" value="JDBC Connection Configuration"/></p> <p>Comments: <input type="text"/></p> <p>Variable Name Bound to Pool</p> <p>Variable Name for created pool: <input type="text" value="testpool"/></p> <h4>Connection Pool Configuration</h4> <p>Max Number of Connections: <input type="text" value="0"/></p> <p>Max Wait (ms): <input type="text" value="10000"/></p> <p>Time Between Eviction Runs (ms): <input type="text" value="60000"/></p> <p>Auto Commit: <input type="text" value="True"/></p> <p>Transaction Isolation: <input type="text" value="DEFAULT"/></p> <p>Preinit Pool: <input type="text" value="False"/></p> <p>Init SQL statements separated by new line:</p> <div> <div>1</div> <div></div> </div> <h4>Connection Validation by Pool</h4> <p>Test While Idle: <input type="text" value="True"/></p> <p>Soft Min Evictable Idle Time(ms): <input type="text" value="5000"/></p> <p>Validation Query: <input type="text"/></p> <h4>Database Connection Configuration</h4> <p>Database URL: <input type="text" value="jdbc:sqlite:c:\test\userdata.sqlite"/></p> <p>JDBC Driver class: <input type="text" value="org.sqlite.JDBC"/></p> <p>Username: <input type="text"/></p> <p>Password: <input type="text"/></p> <p>Connection Properties: <input type="text" value="journal_mode=wal"/></p> </div> |
| 6 | <div data-bbox="279 1444 1385 1863"> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 7 | Set parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Variable name of Pool declared in JDBC Connection: testpool  
SQL Query Type: Select statement  
SQL Query: SELECT \* FROM phpsqlitecms\_userdata;



8 Add View Result Tree listener.

9 Run test.



Download the test plan:  
[https://drive.google.com/file/d/1KhBiAxi4VuHlfuX\\_vLTmif5nXSXeaEPe/view?usp=sharing](https://drive.google.com/file/d/1KhBiAxi4VuHlfuX_vLTmif5nXSXeaEPe/view?usp=sharing)