JDBC Connection

database testing

1.Add mysql jdbc jar to JMeter lib/ext --- restart

<https://dev.mysql.com/downloads/connector/j/5.1.html>

2.Add Thread Group

3.Add JDBC Connection Config -> Enter Variable Name . Provide database details

(http://jmeter.apache.org/usermanual/component\_reference.html#JDBC\_Connection\_Configuration)

4. Add JDBC Request. Enter same variable name in Connection Config

5. Add Listeners

6. Run

For those who have not installed my sql use one of the below :

 Live Oracle

Db4free.net (com.mysql.jdbcDriver, jdbc:mysql://db4free.net:3306/[db name])

How to Test Webservices (Soap and Rest)

REST json/html/plain

SOAP - XML

REST Web Service

Add HTTP Request Sampler

Add REST API details

Signing In to the Google API Console - Google Developers

https://developers.google.com/maps/premium/devconsole-access

<http://openweathermap.org/appid>

uri

[api.openweathermap.org/data/2.5/weather?q=London](http://samples.openweathermap.org/data/2.5/weather?q=London,uk&appid=b1b15e88fa797225412429c1c50c122a1)

api.openweathermap.org/data/2.5/weather?q={city name},{country code}

71d9f20e8211521c665797c9e24b5d26

  Run and Validate

SOAP Web Service

Use Templates

Add Building Soap WebService

In User defined add the server url

In soap request add the path

Copy soap body from below link

http://www.dneonline.com/calculator.asmx?op=Add

<?xml version="1.0" encoding="utf-8"?>

<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

  <soap:Body>

  <Add xmlns="http://tempuri.org/">

  <intA>int</intA>

  <intB>int</intB>

  </Add>

  </soap:Body>

</soap:Envelope>

In HTTP Header Manager copy the below soap action

http://tempuri.org/Add

Enter the integers in the soap body

Run the test

View Results in Tree and Aggregate graph

JMeter Plugin Manager

Plugin - open sourcce. New Features are added as plugins

All available plugins --- jmeter.plugin.org

Download plugin manager jar

<https://jmeter-plugins.org/wiki/PluginsManager/>

Copy to jmeter/lib/ext

Restart

-----------uses are install new plugin, upgrade , remove old, info on plugin

Server side metrics can be seen using plugin jp@gc- perfmon

Install Perfmon using Plugin manager

Add sampler perfmon view details

For Assignment

1. Run a Test plan for data driven using csv file to run the REST Web Service openweather map.