# Setup Guide for QryPerf tool

## Description

QryPerf is a simple Windows based C# console program to quickly test database connectivity and measure performance of a query connecting through ODBC driver.

## Pre-requisites

* Create an ODBC DSN
  + QryPerf tool works with ODBC driver, either by passing full connection string built from the config file or passing in DSN Name.
  + For this particular test, please make sure there is a successfully tested ODBC DSN connection created using the Cloudera ODBC Driver
  + Name this DSN without any special characters or spaces in between

## QryPerf tool setup

* Download the tool and unzip the binaries in a folder location accessible to logged in user.
* Open qryperf.sql file
  + Edit variable @defaultDSN with the name of Cloudera DSN created
  + Create script variables to hold the query, lets call them test1 and test2
  + Edit script variables @test1 and @test2 with SQL queries
  + Or new variables can be defined and set with queries
  + Please refer to the sample .sql file provided with the tool to make edits

## QryPerf tool commands

* Open command prompt, set the location to directory of tool
* Usage of commands and options
  + Option 1: this prints all rows in console and provides summary at the end

C:/> qryperf run test1

* Option 2: this executes count for the select query and prints the summary on console

c:/> qryperf run test1 mode=count

* Option 3 : this is multirun mode, where we can pipe in back to back queries . each query creates new connection

c:/> qryperf multirun test1 test2

* Option 4: this is multirun mode, where we can pipe in back to back queries . query will reuse same connection, in count mode

c:/> qryperf multirun test1 test2 mode=count reuseconnection

* Option 5: this is multirun mode, where we can pipe in back to back queries . query will reuse same connection, and print rows to a txt file, summary output will be printed on console.

c:/> qryperf multirun test1 test2 reuseconnection