

California State University, Fresno – Fall 2013
Computer Science 226, Advanced Database Systems (3 units)

Assignment #1

Due: 9/6
Value: 20 points

Part 1: MySQL 5.6 - Installation

Part 1 of this assignment requires that you install MySQL 5.6 on a machine that you intend to do future homework assignments.

The link for MySQL is:

<http://www.mysql.com/>

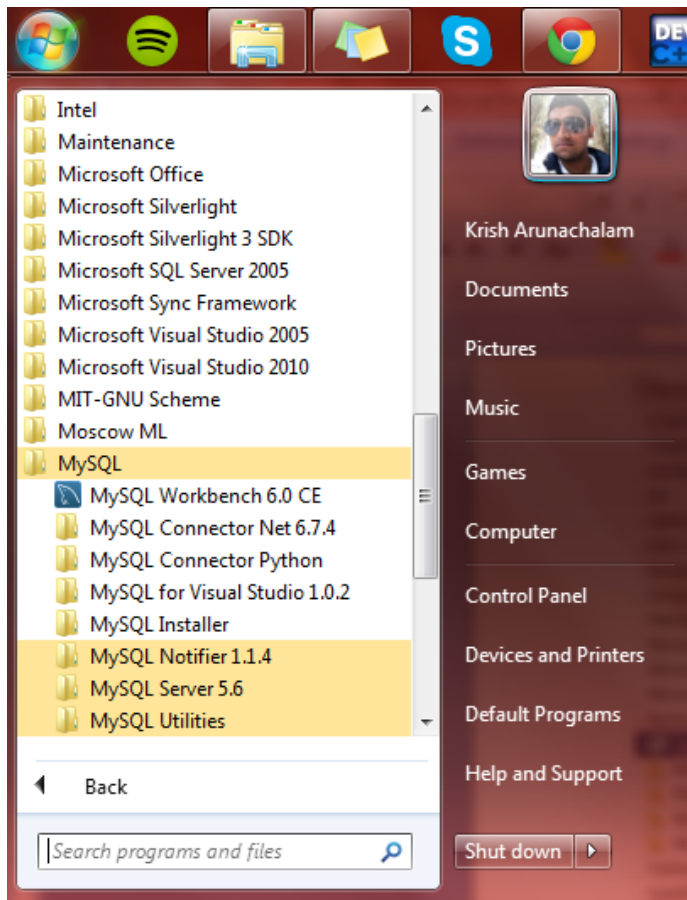
In-class, I will assume that we are working under Windows, but I will generally accept assignments under any platform as long as the results are functionally equivalent.

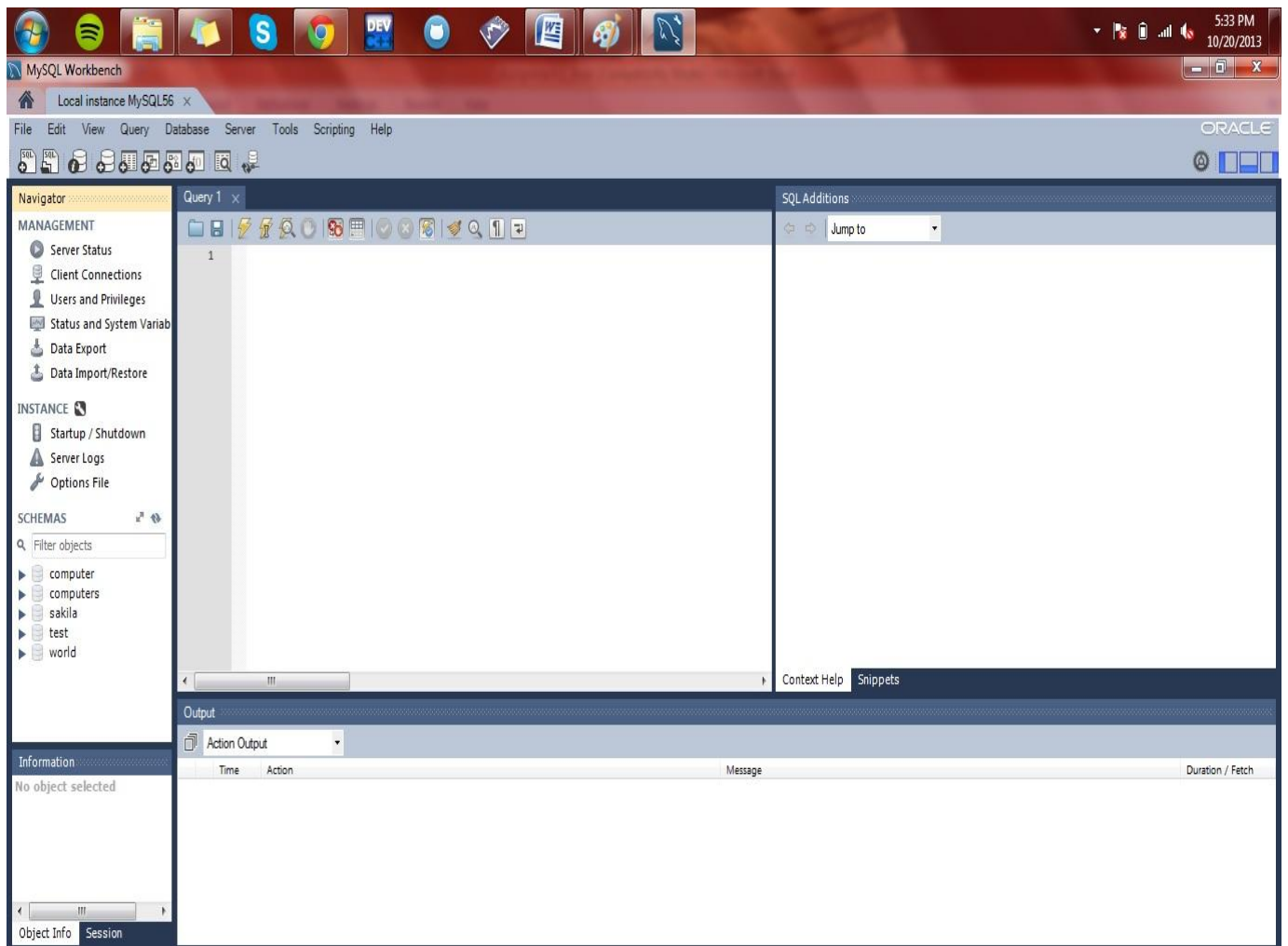
Assuming a windows environment, you will download the 5.6 software from here:

<http://dev.mysql.com/downloads/installer/5.6.html>

The installation is straightforward. You may want to create an Admin user when installing rather than simply using 'root'.

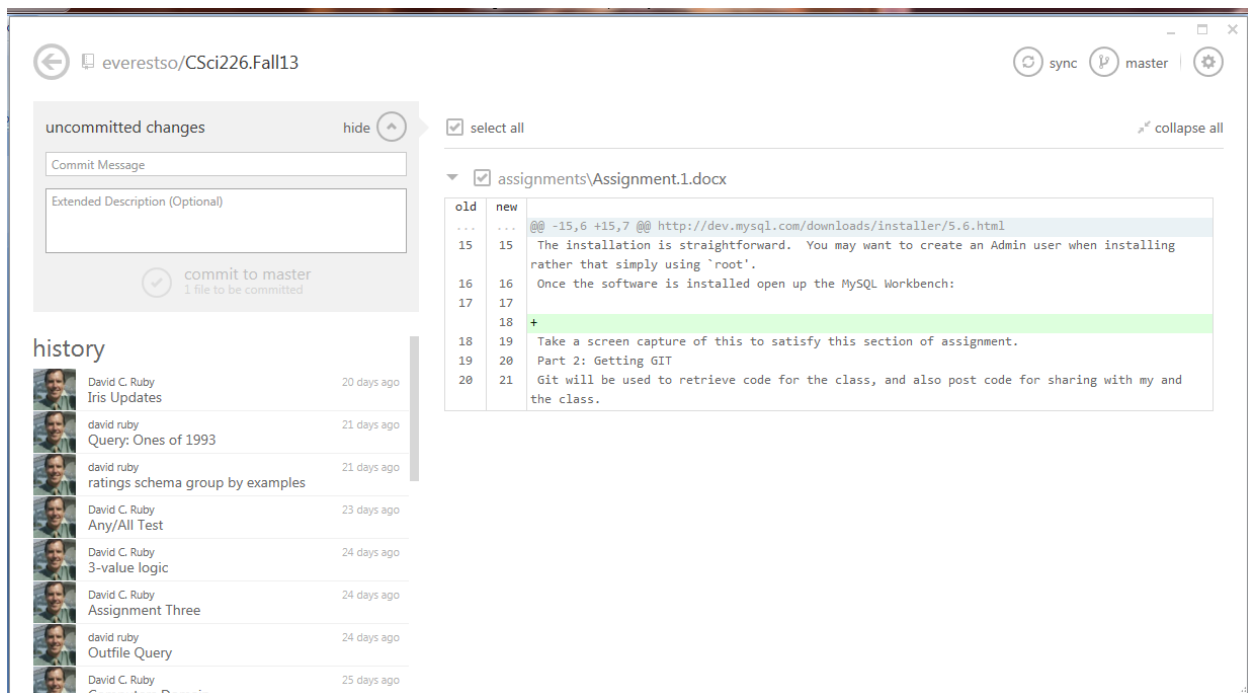
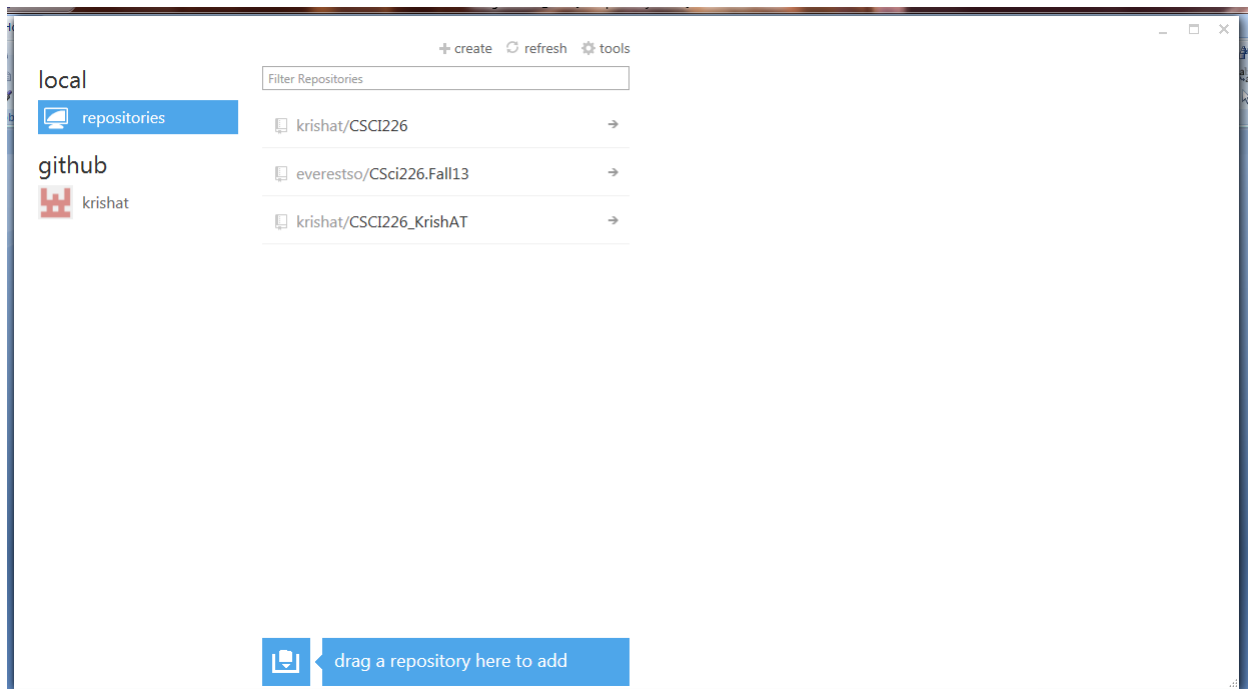
Once the software is installed open up the MySQL Workbench:





Take a screen capture of this to satisfy this section of assignment.

Part 2: Getting GIT

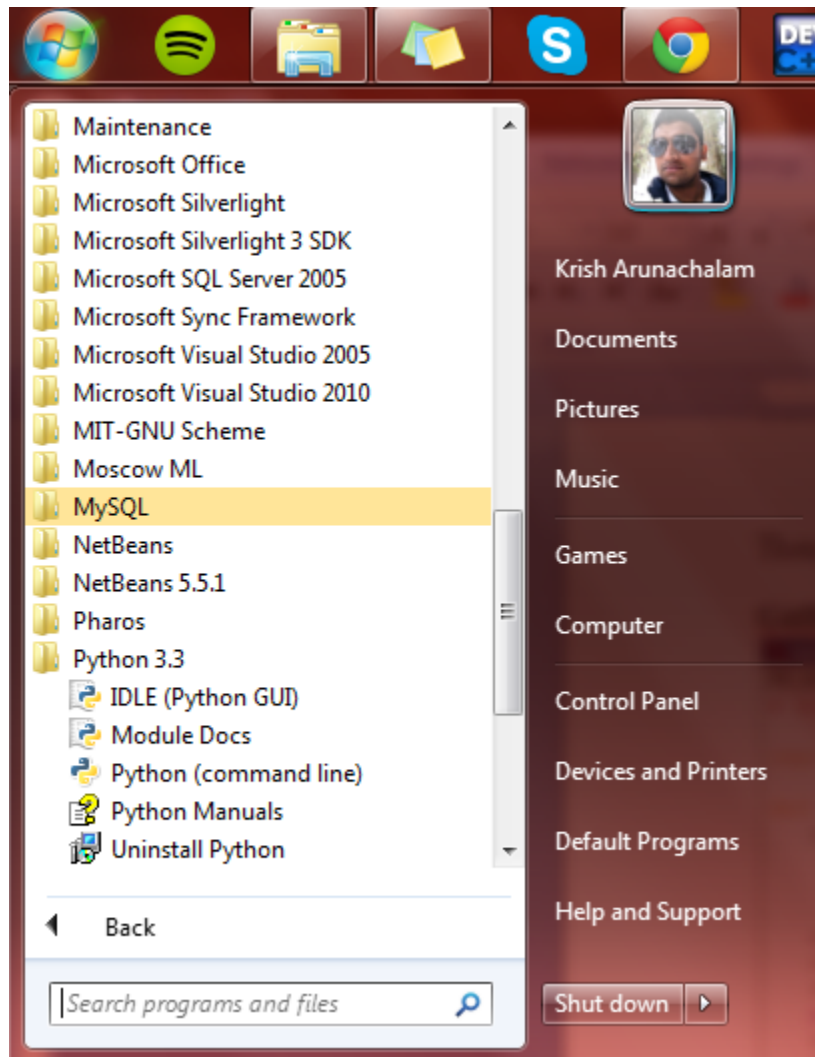


Window app screenshot .

Take a screen capture of this, to complete this section.

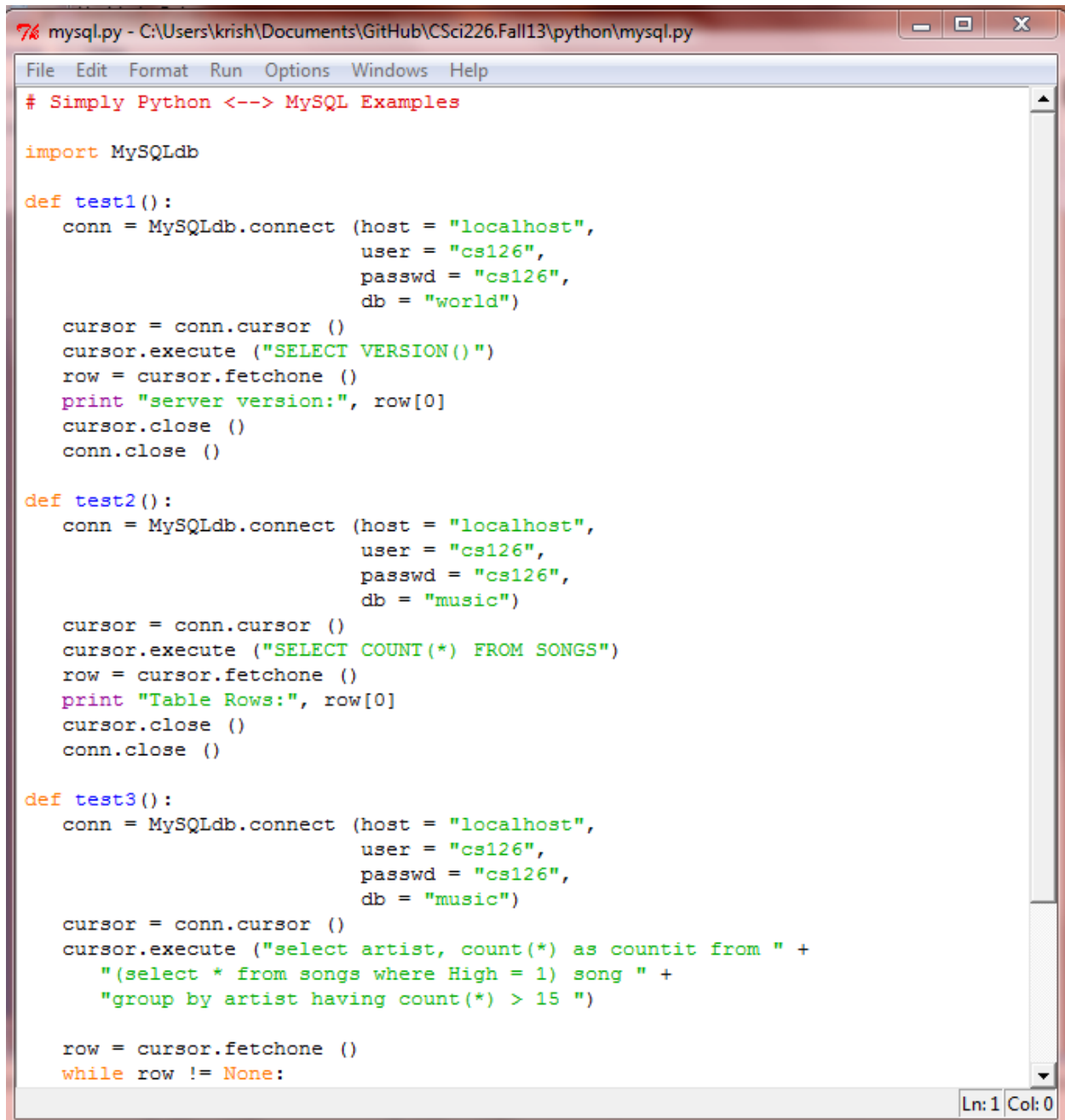
Part 3: Python

Once installed open IDLE (python gui):



Then open a file from the GitHub project:

GitHub\CSsci226.Fall13\python\mysql.py



```
mysql.py - C:\Users\krish\Documents\GitHub\CSsci226.Fall13\python\mysql.py
File Edit Format Run Options Windows Help
# Simply Python <--> MySQL Examples

import MySQLdb

def test1():
    conn = MySQLdb.connect (host = "localhost",
                           user = "cs126",
                           passwd = "cs126",
                           db = "world")

    cursor = conn.cursor ()
    cursor.execute ("SELECT VERSION() ")
    row = cursor.fetchone ()
    print "server version:", row[0]
    cursor.close ()
    conn.close ()

def test2():
    conn = MySQLdb.connect (host = "localhost",
                           user = "cs126",
                           passwd = "cs126",
                           db = "music")

    cursor = conn.cursor ()
    cursor.execute ("SELECT COUNT(*) FROM SONGS")
    row = cursor.fetchone ()
    print "Table Rows:", row[0]
    cursor.close ()
    conn.close ()

def test3():
    conn = MySQLdb.connect (host = "localhost",
                           user = "cs126",
                           passwd = "cs126",
                           db = "music")

    cursor = conn.cursor ()
    cursor.execute ("select artist, count(*) as countit from " +
                   "(select * from songs where High = 1) song " +
                   "group by artist having count(*) > 15 ")

    row = cursor.fetchone ()
    while row != None:
```

Ln: 1 Col: 0