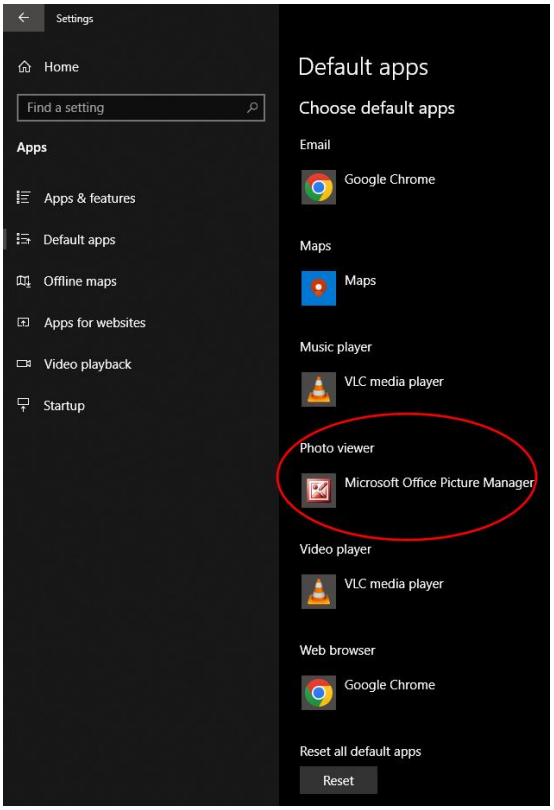
Student Python Project for Eric Arndt - Artwork Search

The program will, based on input from the user, query the v_art DB for the requested information and display the results. It will also, if requested, display a picture of the art.

So, in order to function, the program will need the v_art DB installed and a default picture viewing app selected, mine is Microsoft Office Picture Manager. I use a Windows PC, so I'm not sure how well the program will function on a Mac.



Shown below is how the mysql.connector is set to connect to the v_art DB.

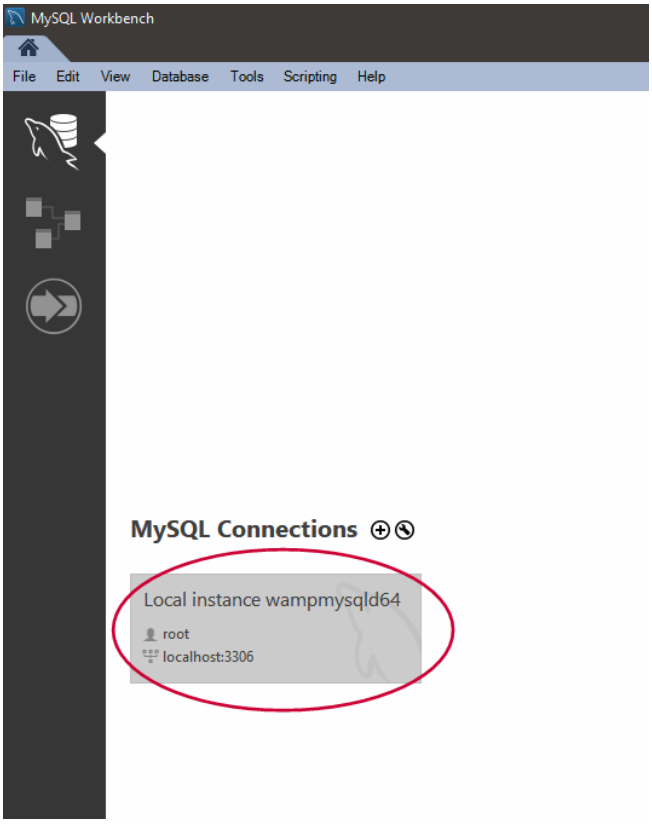
```
def db_query(sql, key):
    artdb = mysql.connector.connect(
        host="localhost",
        user="python",
        password="",
        database="v_art"
```

The v_art DB is accessed via "localhost", a user named "python" with no password.

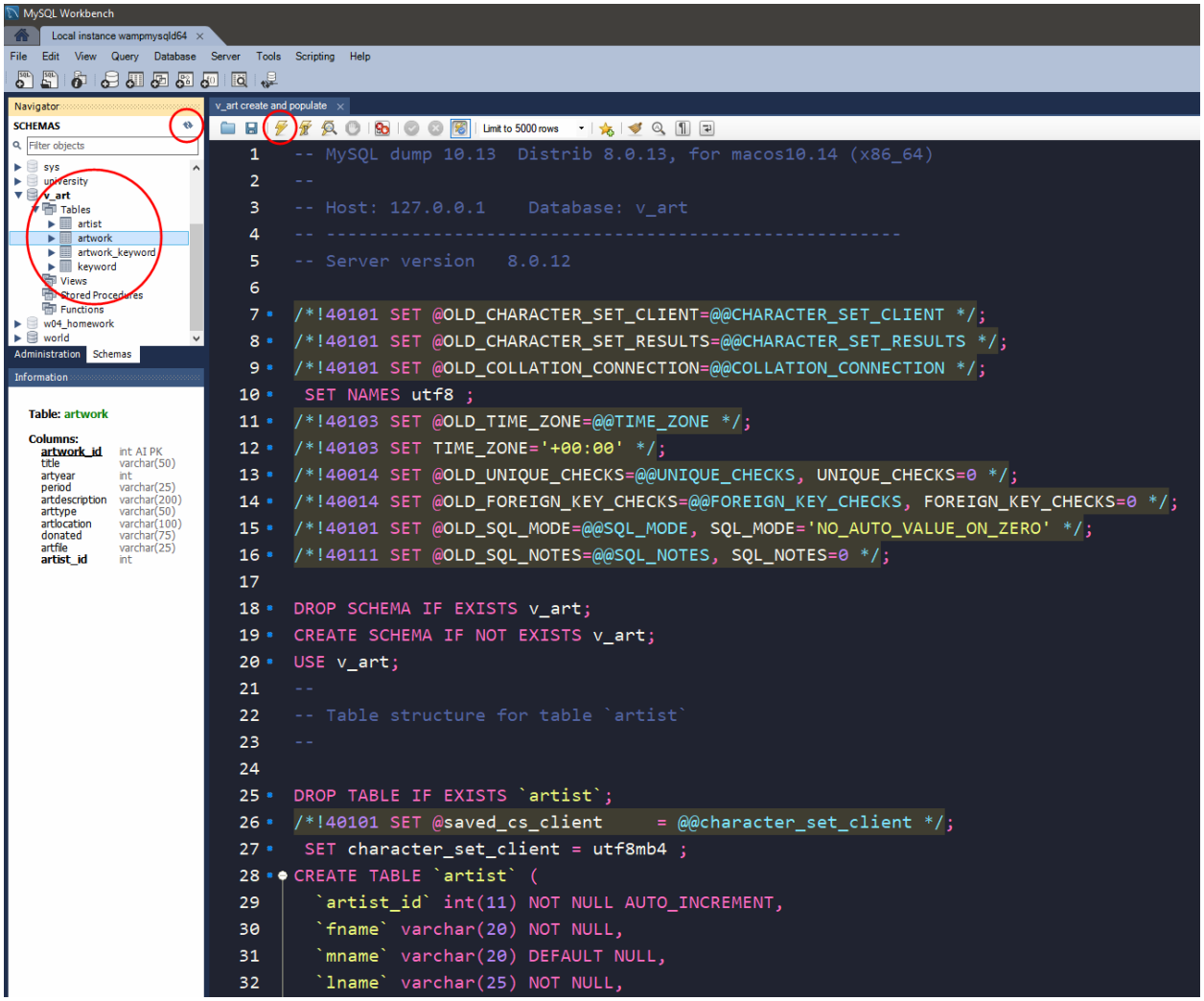
I used mySQL Workbench, which has a built-in WAMP Server.

My guess is you could use any program that allows you to create the v_art DB and populate it using the supplied .sql file, create a new user named python and host the DB via localhost.

Using mySQL Workbench, start your local instance.



Use FILE -> Open SQL Script to open the supplied "v_art create and populate.sql" file.

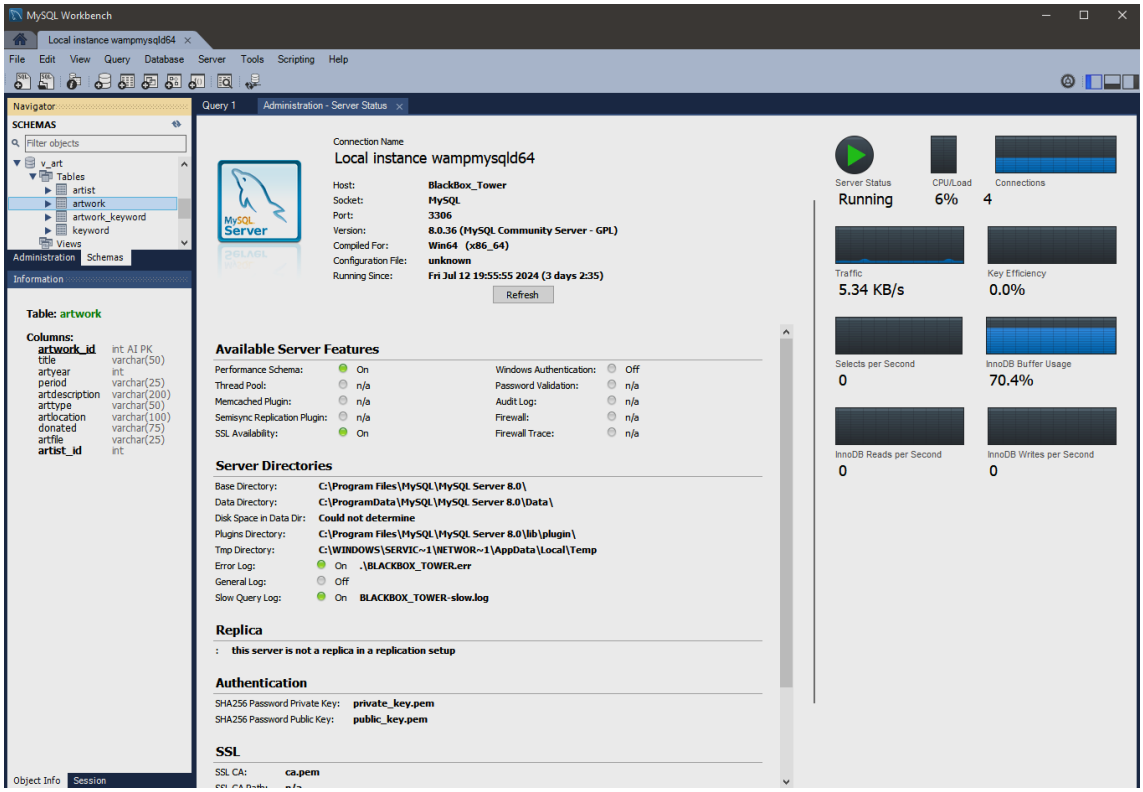


Once opened you can click on the yellow lightning bolt, circled in red. This will execute the entire SQL file which will create the database and populate it with data. It ran on my computer with no errors, hopefully it will for you too.

Once the db is created(2-3 seconds), you will need to click the SCHEMAS refresh button(2nd red circle) to see the new v_art DB.

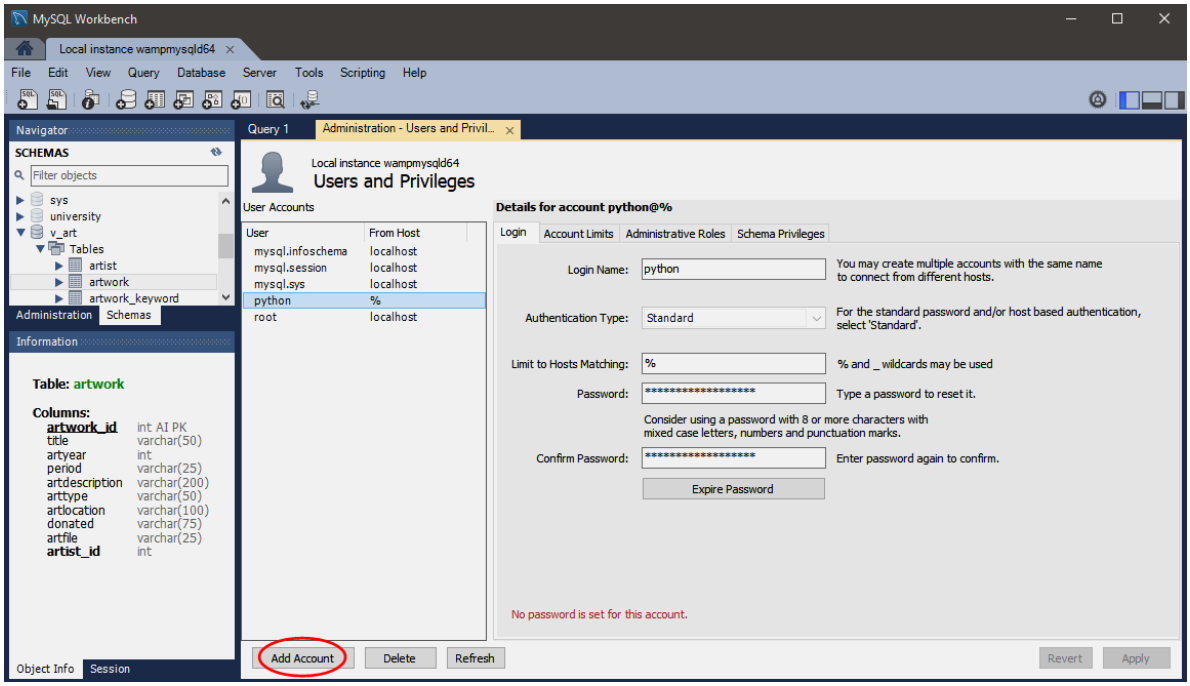
You can then open the tables tab and should see a list of tables, as seen in the large red circle.

If you want to check your Server Status you can click the tab at top called Server -> Server Status. Below is what mine looks like.



If your server is not running, try going to Server -> Startup/Shutdown.

If all is good so far, you will need to create a new user by clicking on Server -> Users and Privileges.



Click the Add Account button and setup the user python as shown, with no password. I gave the "python" user the same privileges at "root", which you will find under the Administrative Roles tab to the right.

You will probably get a warning about not setting a password, but since this is all local, it shouldn't be a risk. It just removes one more failure point when developing a program.

Now that the v_art db is created, populated, hosted on the server via localhost and accessible by user "python", you should be ready to run the ArtworkSearch.py program.

A note about the artwork picture folders:
They need to remain in the same folder as the ArtworkSearch.py program. They also need to remain the last name of the Artist and the picture files inside the folders need to remain the same as what is stored in the DB. The program will "discover" the folders and files based on where the "start" location of the python program is. This should allow the program to find the picture files no matter where you install the program folder on your machine.