**CS50w - list.py - AttributeError: 'NoneType' object has no attribute '\_instantiate\_plugins'**

For Windows users:

**1- Create a new user on SQL Shell:**

CREATE ROLE your\_user\_name LOGIN PASSWORD 'your\_password' NOINHERIT CREATEDB;

**2- Create a new database on SQL Shell:**

Close the SQL shell and open it again, enter the new username and password for the user you just created.

To create a new database, write the following command:

CREATE DATABASE mydb;

You should connect to the new database we just created, write the following command:

\c mydb

**3- Create a new table on SQL Shell**

CREATE TABLE flights(

id SERIAL PRIMARY KEY,

origin VARCHAR NOT NULL,

destination VARCHAR NOT NULL,

duration INTEGER NOT NULL);

**4- Make sure to insert some rows into your table**

**5- Write the database URL correctly**

The URL should follow a specific pattern:

postgresql://your\_username:your\_password@localhost:5432/mydb

We have two options now:

1- You can use this URL directly in your code

engine = create\_engine("postgresql://.....@localhost:5432/mydb")

2- Or create a new environment variable with the name DATABASE\_URL and a value of the URL.

You can either use

engine = create\_engine(os.getenv("DATABSE\_URL"))

if you have a system variable already setup, or

engine = create\_engine('postgresql://postgres:password@localhost:5432/lecture3')

which provides the direct URL.

**I will try to explain.**

If you have import os at the beginning, which makes it possible to call os.getenv() down the line, then you must set up a system variable with the name DATABASE\_URL because what os.getenv() does is to go into your system variables and look for a variable called DATABASE\_URL, get its value and parse to create\_engine().

Now, to set up system variable, On the Windows desktop, right-click My Computer. In the pop-up menu, click Properties. In the System Properties window, click the Advanced tab, and then click Environment Variables. In the System Variables window, click New

Variable name = DATABASE\_URL

Variable value = postgresql://postgres:password@localhost:5432/lecture3

This Variable value follows the format

dialect+driver://username:password@host:port/database

postgres is the default user of the database, so if you have a different user, change it accordingly. Replace password with the password you created during the setup for postgres. lecture3 should also be the name of your database

If you have any challenge, try installing a driver like psycopg2. pip install psycopg2 should do it from your python shell, then try modifying to something like

Variable value = postgresql+psycopg2://postgres:password@localhost:5432/lecture3

I hope some of you find this helpful :)