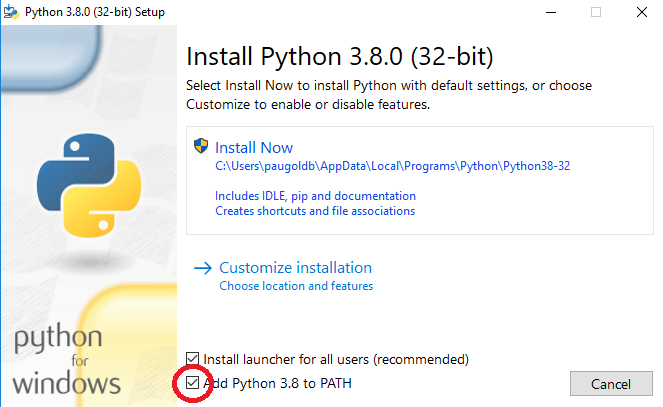
**Prompt Part 2**

How to use the TLC Python tool! (Instructions for Windows OS)

Step 1 – Download and install Python

1. Find the correct download for your Operating System here: <https://www.python.org/downloads/>
2. Before clicking “Install Now”, select “Add Python 3.8 to PATH”

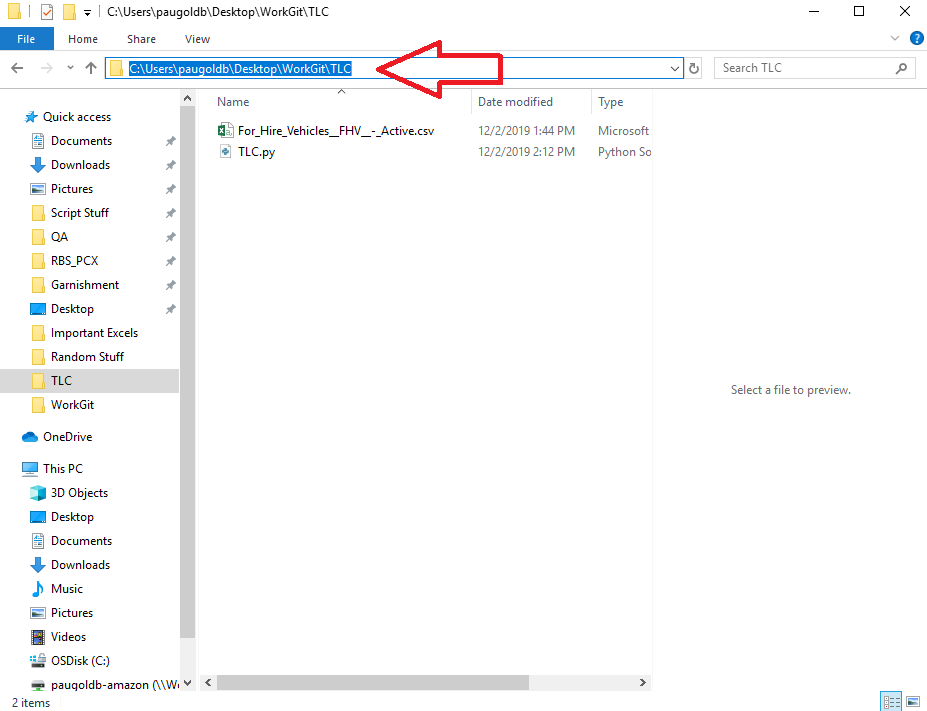


Step 2 – Create your save folder

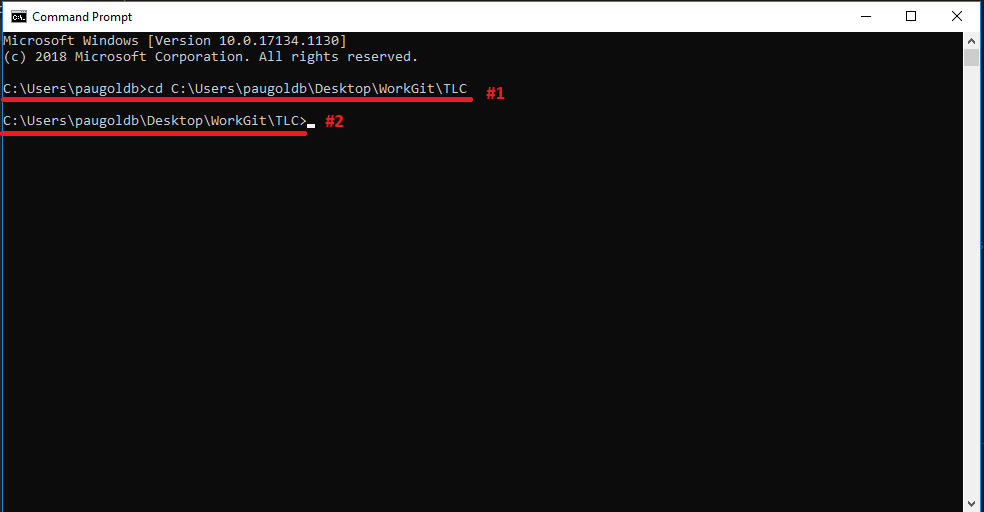
1. Create a folder somewhere easily accessible (Desktop or My Documents will work)
2. Save the TLC.py file in this folder
3. Save the Excel file from the NYC TLC website to this same folder

Step 3 – Open Command Prompt

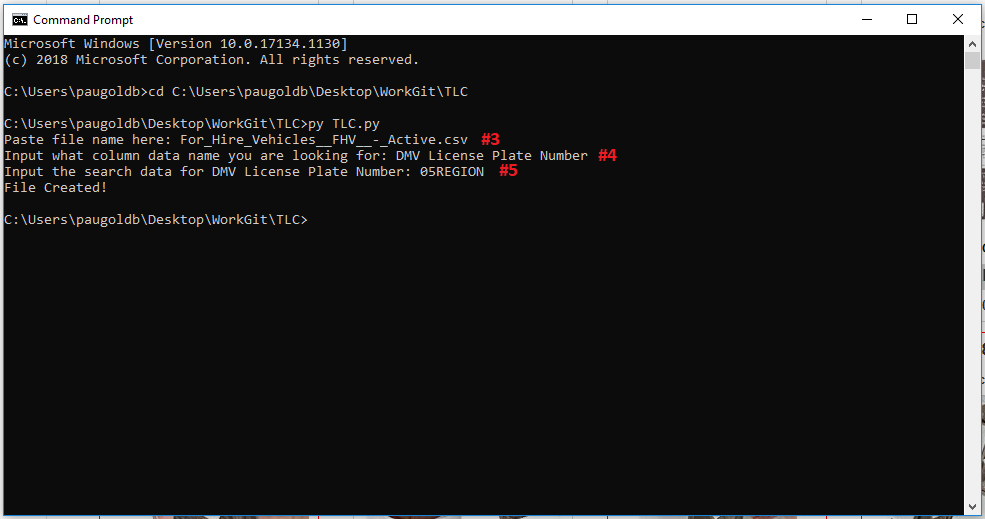
1. In the Windows search bar, type “cmd”, and select Command Prompt
2. Open the folder you created and copy down the file path



1. In the Command Prompt window, type “cd “ and paste your file path **(#1 in image)**
2. On the next line, type “py TLC.py” **(#2 in image)**

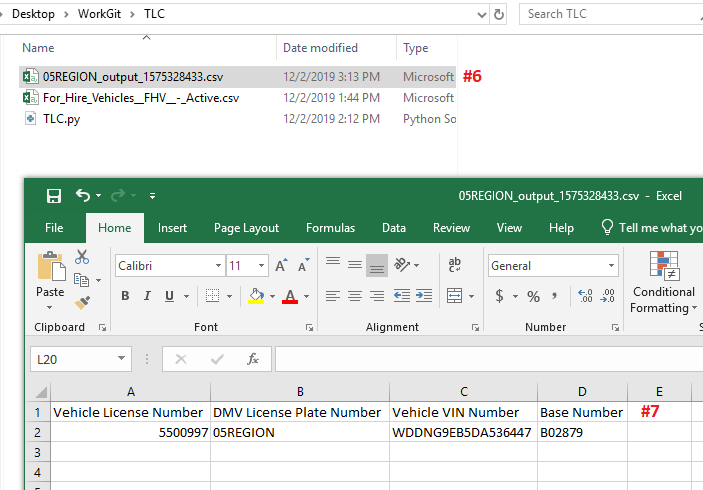


1. Follow the prompts as follows:
   1. “Paste file name here: “ – paste the name of the Excel file where you are pulling your data from – (this example: For\_Hire\_Vehicles\_\_FHV\_\_-\_Active.csv) **(#3 in image)**
   2. “Input what column data name you are looking for: “ - paste the name of the column you are filtering by. (this example: DMV License Plate Number) **(#4 in image)**
   3. “Input the search data for [column data name]: “ – paste the data you are searching for in that column – (this example: 05REGION) **(#5 in image)**



Step 4 – Check the file that is created

1. The file output should be created in the same folder that the script and source Excel document are saved in, it will be saved with the following naming format: **(#6 in image)**
   1. Example: 05REGION\_output\_1575328433.csv
   2. Breakdown: [Search data input]\_output\_[timestamp of when the file was created].csv
      1. The timestamp is used so that this script will never try to overwrite the previous file, to keep your data output safe!
2. The file is saved in a CSV format with the data columns as the headers **(#7 in image)**



**Prompt Part 3**

Hearing that the team is excited about the possibilities for searching for more data, I would encourage them to take what data is provided from the NYC For Hire data that would allow for searches of that information. In looking through the output, the VIN is likely going to be a great source for finding that kind of data. For Ad Hoc requests for this data, it looks like there are some sites that will allow for single searches for the data connected to a vehicle VIN. I would be cautious using sites like these, as they may collect search data, and while this info is freely available to whoever wants it on the City of New York website, we would want to protect customer data by either not using these free search options or using them rarely.

However, if there is a consistent enough need for queries of this sort of data, I would ask that research be done about finding some sort of Federal/Governmental database that could be connected to, possibly by API, so that we can begin to research the steps for automating these sorts of data queries, or even building a tool for completing those search requests. The amount of data that a single VIN contains is rather large, so specifying what specific data is needed will reduce the amount of time a search takes, and how much data is actually produced.

With some preliminary research, there seems to be a .gov database that would allow for API queries: <https://vpic.nhtsa.dot.gov/>. Further research would be necessary to gather this kind of data from other countries.