To run this prediction program, you must first set up the needed environment:

Versions:

python = '3.6.5'
pandas = '1.0.5'
numpy = '1.19.3'
matplotlib = '3.2.2'
keras = '2.3.1'
PIL = '7.2.0'

Then to run it, all you need to do is to **edit the three variables** in the beginning of the file:

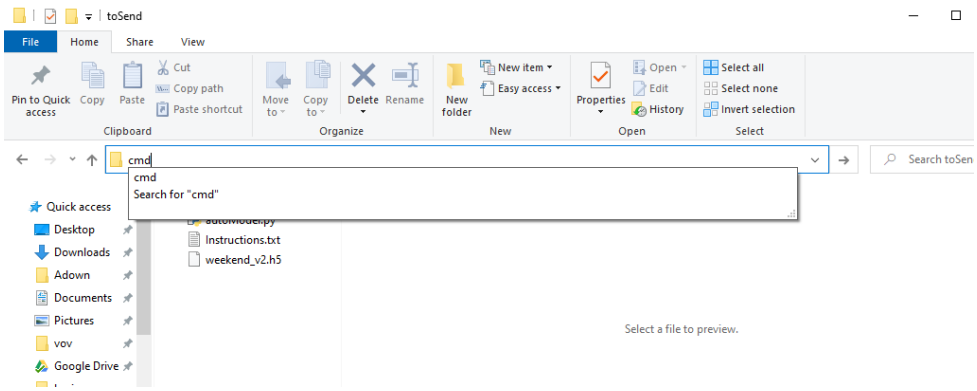
- INPUT_FOLDER_PATH = here you enter the FULL PATH to the image folder you want to predict on. i.e. "C:/Users/Ben/Desktop/Roots/new/data library/clean_data/corn/"

- OUTPUT_PREDICTIONS_PATH = here you enter the FULL PATH to the wanted output CSV file. i.e. r"C:/Users/Ben/Desktop/Roots/new/corn_prediction.csv"

- MODEL_PATH = here you enter the FULL PATH to the trained .h5 model file. i.e. r"C:/Users/Ben/Desktop/Roots/new/exp_models/weekend_v2.h5"

After you insert the needed paths, you **run the python file** and the output will be generated.

to run a python file just open CLI from the needed folder by writing "cmd" in the path pane and Enter:



Then, you write "python autoModel.py" and wait ☺

if all entered parameters are ok you should see: