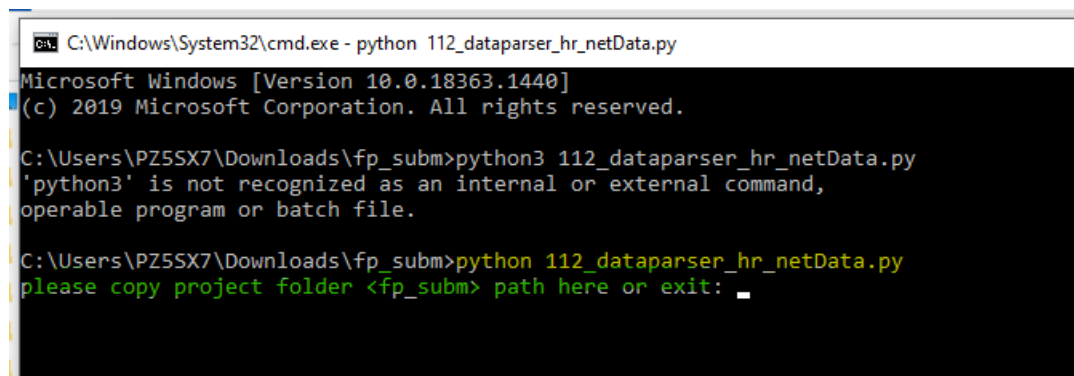# INSTRUCTION HOW TO RUN THE CODE

1. In order to run this code, you need to make sure you have those files available:
   - 112_dataparser_hr_netData.py (the main program code)
   - newName.py (a module that main program will call)
   - twoscompliment_to_decimal.py (a module that main program will call)
   - networkData (v112 explorer json logging file)
   - healthReport (v112 explorerjson logging file)

2. In VS or other code editor, run 112_dataparser_hr_netData.py. OR open the cmd from the path where you save those files (python3 is needed) run command(Yellow below):

   'python 112_dataparser_hr_netData.py'

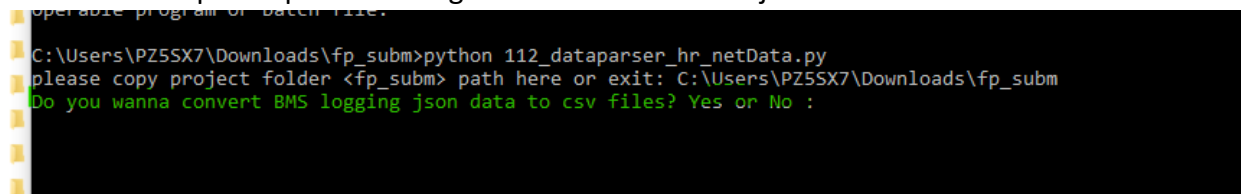   the code will start its first interaction: ask user input (green below)

3. User copy the whole path here, e.g. "C:\Users\PZ5SX7\Downloads\fp_subm" and click enter
4. Second user input request is asking if user wanna convert json files to csv:

5. user input Yes, program will start generating the csvs(Yellow below) and will notify user when it is done(green below).
6. Two folders of health report and network data should be created in the same folder where you save the code
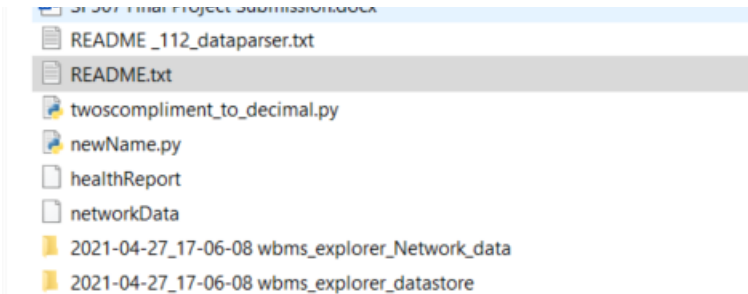
7. Then the user will be provide a list of plots that are available(blue below).

8. You can exit anytime you want by type exit
9. User pick the number and plot will pop up using html
10. User can **again** pick other numbers if interested
11. If user type a number bigger than 6 or not an integer, it will request user to re-input
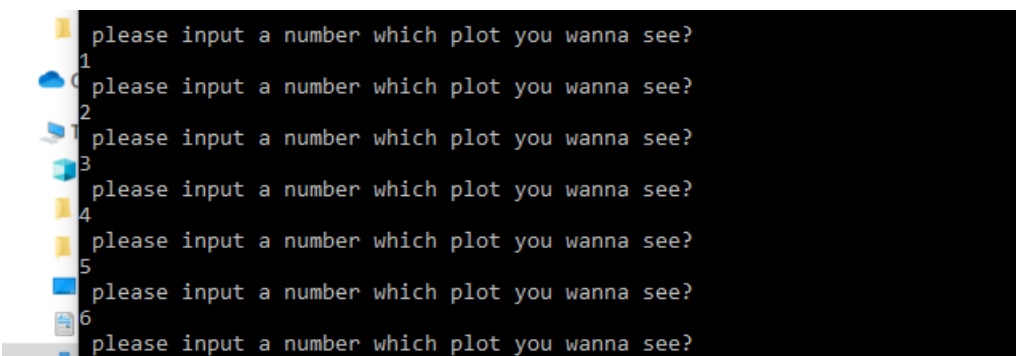
12. Plots are **auto open** in a html and auto save in html in the same folder.
13. Plots has many interactions built in that allow user to zoom, drag…(right upper conner control manual). All the data will have tag if you move your mouse to the data to see the values

Data_RSSI at channel and node
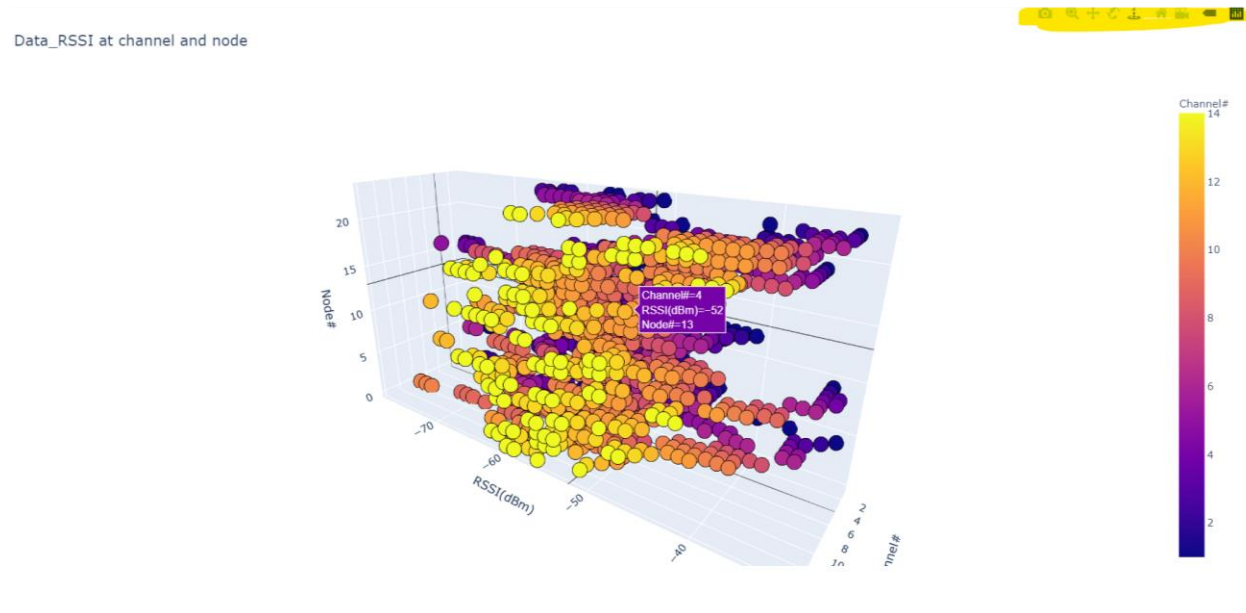
Future work:

More plots can be added and this can combine with bms, pms function either using command prompt like Barker did or this way.

If you have any questions, please let me know. HAVE FUN with the plots