Objective:

Easy access and visualization to log file by service.

Features needed:

1. Histogram
2. Dropdown box
3. Receive arguments from command line
4. Can process multiple files
5. Categories: linked, unlinked, RFiD
6. Analysis: tray arrives too late / too early
7. Indicate: no bag / loose item

What I have:

1. Process single txt file
2. Histogram for all data by showing all beam difference
3. Find unaccepted RFiD by diff value

What I plan to do:

1. Process multiple files (on the same folder?)
2. Make program to receive command arguments
3. Check file exist or not
4. Development based on OOP
5. PyQt display UI
6. Choose specific RFid from histogram (by mouse)

References:

How do I check whether a file exists without exceptions? <https://stackoverflow.com/questions/82831/how-do-i-check-whether-a-file-exists-without-exceptions>

File not in directory, user re-enters file name (loop) <https://stackoverflow.com/questions/34600021/file-not-in-directory-user-re-enters-file-name-loop-python>

How to get user input repeat until I want to quit? <https://stackoverflow.com/questions/12608654/how-to-get-user-input-repeatly-until-i-want-to-quit>

How to create pandas data frame from multiple lists? <http://cmdlinetips.com/2018/01/how-to-create-pandas-dataframe-from-multiple-lists/>

Convert the column type from string to datetime format in Pandas dataframe <https://www.geeksforgeeks.org/convert-the-column-type-from-string-to-datetime-format-in-pandas-dataframe/>

How would I get everything before a : in a string Python <https://stackoverflow.com/questions/27387415/how-would-i-get-everything-before-a-in-a-string-python/27387468>

Developing GUIs in Python: Tkinter vs PyQt

<https://stackoverflow.com/questions/1094155/developing-guis-in-python-tkinter-vs-pyqt>

Tk dropdown example

<https://pythonspot.com/tk-dropdown-example/>

[Solved my issue] Spyder crashes with Pyqt5.12 (PyQt5-5.14.1)

<https://github.com/spyder-ide/spyder/issues/8868>