

klib2-ReadKitronyxCsv

GitHub repository for reading Kitronyx snapshot files and log files

Code Purpose

Collection of sample code and source code in various programming languages for aggregating data from Snapshot and Log folders' converted CSV files using Kitronyx products

FolderTree

```
| README.md  
| README.pdf  
|  
├─res  
|   read_kitronyx_csv.png  
|  
├─sample  
|   └─read_kitronyx_csv  
|       main.py  
|       ReadKitronyxCsv.py  
|         
|       └─converted_log_data  
|           20240311T142511_AdcData-1d.csv  
|           20240311T142511_AdcData-2d.csv  
|           20240311T142511_ForceData-1d.csv  
|           20240311T142511_ForceData-2d.csv  
|         
|       └─snapshot_data  
|           20240227T170929_AdcData-1d.csv  
|           20240227T170929_AdcData-2d.csv  
|           20240227T170929_ForceData-1d.csv  
|           20240227T170929_ForceData-2d.csv  
|           20240227T170929_snapshot-frame.jpg  
|           20240227T170929_snapshot-real_time_analyzer.jpg  
|  
└─src  
    └─read_kitronyx_csv  
        ReadKitronyxCsv.py
```

Python

Program tools : Vs Code (Vesion 1.87.1)

Vs code Python Version: v2024.2.1

Code Description

ReadKitronyxCsv

ReadKitronyxCsv.py

- Collection of functions to read Kitronyx snapshot and log CSV files

```
def ReadSnapshot1DimensionData(_path):
```

- Function to read snapshot 1D files

- Takes a 1D CSV path as a parameter and returns [row, col, data]

- row: ROW - number of columns

- col: COL - number of rows

- data: Matrix data of size ROW*COL

```
def ReadConvertedLogFile1DimensionData(_path):
```

- Function to read log 1D files

- Takes a 1D CSV path as a parameter and returns [row, col,

```
data_dict]
```

- row: ROW - number of columns

- col: COL - number of rows

- data_dict: Dictionary format data

- keys: Time values

- values: Matrix data of size ROW*COL

[illegible]