

Python meeting 03: Requests, explode, split, Levenshtein

29th April 2026

The Python Meeting will start soon

COURSE PYTHON SCHEDULE

01: 20250114, 9am: Initiation – Case-study: P02_15: Above average prices

- Set-up: Python, Visual Studio Code
- Project creation: Folder, .py, Virtual Environment, CMD
- Libraries: Import, requirements file
- Naming conventions
- Basic objects: Dataframe (table), Series (column), Variable, Function, Group_by
- Basic functions: Import, Rename, Filter, Join, Create columns, Group, Aggregate, Export

02: 20250121, 10am: Melt, split, for – Case-studies: D01: Trial balance, P01_19: Supplier debtors, O01_19: Customer creditors

- Using melt, split
- For loop

03: 20250128, 9am: Web-download – Case-study: P01_10: Suppliers in OFAC

- Request for downloading sanctions
- IO for encoding
- Regex for comparison
- Split, explode for row generation
- Levenshtein distance scoring

04: 20250204, 9am: JSON, expressions, rolling Window – Case-study: P02_19: Split POs

- Import JSON, Expression object for adding labels,
- cum_sum() for rolling window

05: 20250211, 9AM: zip, dynamic fields – Case-study: P02_03: PO whilst blocked

- Zip to group lists together
- Using dynamic fields in a for loop

COURSE PYTHON SCHEDULE

06: 20250218, 10am: Cumulative sum, dates – Case-study: P02_18: PO slow rotation

- cum_sum for calculating future or past inventory movements

07: 20250225, 9am: Isolation forest for unusual transactions – Case-study: Unusual bank transfers

- Using isolation forest library to score for unusual transactions

08: 20250304: 9am: SpaCy – Case-study: P01_11/ O01_11: Suppliers/ customers that are people

- Using SpaCy NLP object to categorize names

09: 20250311: 9am: Contract review – Case-study: Scoring of contracts

- Using Gemini model to check for paragraphs of similar meaning

10: 20250318: 10am: Open AI API – Case-study: Generating audit reports

- Using API to OpenAI to generate text for audit reports

11: 20250325: 9am: Regex and Sklearn matching – Case-study: HR03_12/ H403_13: Unusual T&E

- Using Regex and Sklearn to check for unexpected travel and expenses

12: 20250401: 9am: OCR: Image recognition – Case-study: HR03_14: Expenses for others

- Using OCR python library to read travel and expense receipts

TODAY'S SCHEDULE

01

Case-study

→ P01_10: check for suppliers on OFAC list

02

Calling another python script

How to call another python script?

03

Python structures

Explode
Group_by



01

Case study: Suppliers in OFAC list

09:00 – 09:05



Pre-requisites -> run programme

Pre-requisites:

1/ Set-up files

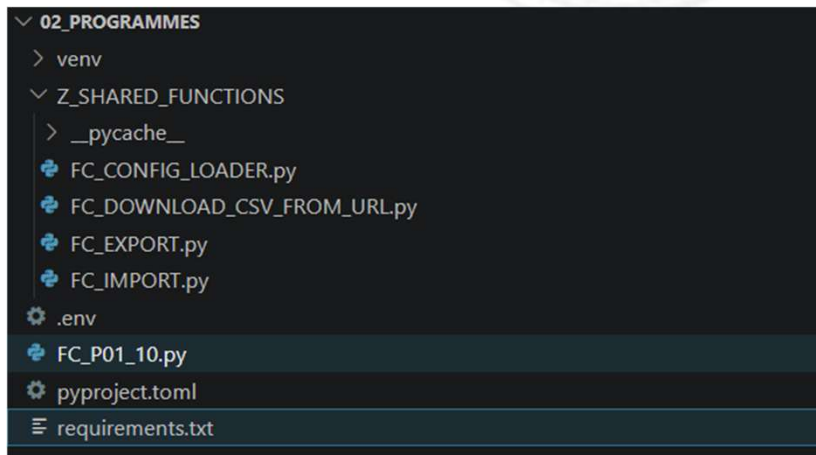
- Follow python cheat sheet for obtaining project from gitHub or organizing project structure as python cheat sheet
- Ensure that you have a Windows folder (we shall refer to it as **root**) containing sub-folders:
- **/01_SOURCES**: should contain: 20251007_172757_1_LFA1.csv, A_AM_EXCLUSION_WORD.csv, AM_VARIABLES.txt
- **/02_PROGRAMMES**: should contain: **P01_10.py**, **pyproject.toml** and **requirements.txt**
- **/02_PROGRAMMES**: Create a **.env** file with the variable **ZV_ST_ROOT_FOLDER=C:\...\...** (change to address of your root folder)
- **/03_RESULTS**: This is where the results of the program will go

2/ Set-up environment:

- Navigate to the /02_PROGRAMMES folder and open Visual Studio Code there (**CMD** in Windows search bar, then **code .**)
- Terminal: (View-> Terminal or CTRL+SHIFT+`)
- Virtual environment: **py -3.14 -m venv venv**
- Activate virtual environment: **.\venv\Scripts\Activate.ps1**
- Run requirements: **pip install -r requirements.txt**

3/ Run

- From VSC opened at /02_PROGRAMMES, click on the script FC_P01_10.py and then execute.
- If the programme runs successfully, you will see a new Excel file in /03_RESULTS



01_SOURCES

02_PROGRAMMES

03_RESULTS



Tip for running the program

As mentioned in the meeting: (thanks Markus!)

if you cannot get python to use the venv inside your project, when you click on the execute button, you can type the following in the terminal, to force python to use the correct venv:

```
.\venv\Scripts\python.exe P01_10_SUPPLIERS_IN_OFAC.py
```

Aufinia



Did you do that already?

20260429_01_DidYouRunTheCode?

1. Were you able to run the code? (Single choice)

Yes

No



2. What prevented you from running the code? (Single choice)

No free time before the meeting

I got stuck on a bug



What should the result be?

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|---|----------|----------------------|-------------|-------------------|------------|----------------------|---------|--------|-----------------|------------|--------|--------|--------|--------|---|
| 1 | LIFNR | NAME1 | STRAS | ZF_NAME1_CLEAN | ZF_STR | LFA1_LI | LFA1_FI | OFAC_E | OFAC_FIELD | ZF_OFA | ZF_INV | ZF_LFA | ZF_NUN | ZF_SCC | |
| 2 | 00000031 | VMIIETERO: AHMED, Al | hallerstr 3 | AHMED AMEEN | HALLERST | VMIIETERO: AHMED, Al | | 44442 | AHMED, Ameen | Names co | 100 | Yes | 2 | 102 | |
| 3 | 00000031 | CMDS Sup | Main Stree | CMDS SUPPLIER | MAIN STRE | 00000031: Main Stree | | 34953 | Main Street | Address co | 100 | Yes | 2 | 102 | |
| 4 | 00002000 | MAKO | 24, HIGH S | MAKO | 24 HIGH S | 00002000: 24, HIGH S | | 19709 | 74 High Street | Address co | 50 | No | 1 | 51 | |
| 5 | 00001000 | Mr Michae | 35 Main St | MR MICHAEL HIRE | 35 MAIN S | 00001000: 35 Main St | | 735 | 32 Main Street | Address co | 50 | No | 2 | 52 | |
| 5 | 00001002 | Alan Aguil | 35 Main St | ALAN AGUILAR | 35 MAIN S | 00001002: 35 Main St | | 735 | 32 Main Street | Address co | 50 | No | 2 | 52 | |
| 7 | K0103 | Sonia | motorstr 1 | SONIA | MOTORSTI | K0103 Sonia | | 15085 | SONIA I | Names co | 33.33 | No | 1 | 34.33 | |
| 8 | 00000031 | CMDS Sup | Main Stree | CMDS SUPPLIER | MAIN STRE | 00000031: Main Stree | | 34953 | Taiz Street | Address co | 33.33 | No | 1 | 34.33 | |
| 9 | 00000033 | (Material St | 123 Main S | MATERIAL SUPPLIER | 123 MAIN S | 00000033: 123 Main S | | 735 | 32 Main Street | Address co | 33.33 | No | 2 | 35.33 | |
| 0 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 15732 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |
| 1 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 15734 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |
| 2 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 15736 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |
| 3 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 15737 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |
| 4 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 26654 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |
| 5 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 26689 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |
| 6 | 00000039 | VISA | 7800 Broa | VISA | 7800 BRO | 00000039: 7800 Broa | | 26705 | 80 Broad Street | Address co | 33.33 | No | 2 | 35.33 | |

20260429_02_WhichOneTruePositive?

1. Which one do you think is a true positive? (Single choice)

- Ahmed Meen
- CMDS Supplier
- SONIA
- VISA

02

Calling another python script

Organizing scripts

09:30 – 09:45



Calling another python script

All python scripts are organized into functions, in order to avoid code repetition.

```
# 1.2/ Custom functions
from Z_SHARED_FUNCTIONS.FC_DOWNLOAD_CSV_FROM_URL import FC_DOWNLOAD_CSV_FROM_URL
from Z_SHARED_FUNCTIONS.FC_CONFIG_LOADER import ZV_DI_VARIABLES
from Z_SHARED_FUNCTIONS.FC_EXPORT import FC_EXPORT_EXCEL_POLARS
from Z_SHARED_FUNCTIONS.FC_IMPORT import FC_IMPORT_TEXT
```

```
# Step 3/ Import data
# From URL
P01_10_00_TT_DF_OFAC_ADD = (
    PI_POLARS.read_csv(
        FC_DOWNLOAD_CSV_FROM_URL('ADD.csv'),
        separator=',',
        has_header=False,
        infer_schema=False,
        new_columns=[
            'ADD_ENT_NUM',
            'ADD_ADD_NUM',
            'ADD_ADDRESS',
            'ADD_CITY_STATE_PROVINCE_POSTCODE',
            'ADD_COUNTRY',
            'ADD_REMARKS',
        ],
    ),
)
```



Passing information to our script

We pass a variable to `FC_DOWNLOAD_CSV_FROM_URL()`

```
# Step 3/ Import data
# From URL
P01_10_00_TT_DF_OFAC_ADD = (
    PI_POLARS.read_csv(
        FC_DOWNLOAD_CSV_FROM_URL('ADD.csv'),
```

What are we passing to `FC_DOWNLOAD_CSV_FROM_URL()`?

```
import requests as PI_REQUESTS
import io as PI_IO

def FC_DOWNLOAD_CSV_FROM_URL(ZVFCI_FILENAME):
    ZV_URL = f"https://sanctionslistservice.ofac.treas.gov/api/download/{ZVFCI_FILENAME}"
    ZV_RESPONSE = PI_REQUESTS.get(ZV_URL)
    ZV_RESPONSE.raise_for_status()
    return PI_IO.StringIO(ZV_RESPONSE.content.decode('iso-8859-1'))
```

What is coming back from `FC_DOWNLOAD_CSV_FROM_URL()`?



Passing information between functions

What is passed to `.read_csv()`?

A variable to say that there is no header

A list of field names

A delimiter

A .csv file

A variable to import all as text

```
# Step 3/ Import data
# From URL
P01_10_00_TT_DF_OFAC_ADD = (
    PI_POLARS.read_csv(
        FC_DOWNLOAD_CSV_FROM_URL('ADD.csv'),
        separator=',',
        has_header=False,
        infer_schema=False,
        new_columns=[
            'ADD_ENT_NUM',
            'ADD_ADD_NUM',
            'ADD_ADDRESS',
            'ADD_CITY_STATE_PROVINCE_POSTCODE',
            'ADD_COUNTRY',
            'ADD_REMARKS',
        ],
    ),
)
```

What does `read_csv()` give back to us?

A polars dataframe

polars

Which library does `read_csv()` come from?



03

Python structures



Regex

Replace any non-alpha-numeric or spaces with “
Replace multiple spaces with one space

```
# Step 5.1/ Clean the OFAC Addresses
P01_10_00_TT_DF_OFAC_ADD = (
    P01_10_00_TT_DF_OFAC_ADD
    .filter(
        PI_POLARS.col('ADD_ADDRESS')
        .str.strip_chars()
        .str.len_chars() > 0
    )
    .with_columns(
        PI_POLARS.col('ADD_ADDRESS')
        .str.replace_all(r'[^0-9a-zA-Z ]', '')
        .str.replace_all(r'\s+', ' ')
        .str.to_uppercase()
        .alias('ZF_ADD_ADDRESS_CLEAN')
    )
)
```

Recommended
reading:

docs.python.org/3/library/re.html

docs.python.org/3/library/re.html

Python » English » 3.14.2 » 3.14.2 Documentation » The Python Standard Library » Text Processing Services » re — previous | next | modules | index

Regular expression operations Theme Auto Quick search Go

Table of Contents

- re — Regular expression operations
 - Regular Expression Syntax
 - Module Contents
 - Flags
 - Functions
 - Exceptions
 - Regular Expression Objects
 - Match Objects
 - Regular Expression Examples
 - Checking for a Pair

re — Regular expression operations

Source code: [Lib/re/](#)

This module provides regular expression matching operations similar to those found in Perl.

Both patterns and strings to be searched can be Unicode strings ([str](#)) as well as 8-bit strings ([bytes](#)). However, Unicode strings and 8-bit strings cannot be mixed: that is, you cannot match a Unicode string with a bytes pattern or vice-versa; similarly, when asking for a substitution, the replacement string must be of the same type as



Polars

Also recommended reading: docs.pola.rs

The screenshot shows the Polars user guide website. The browser address bar displays 'docs.pola.rs'. The page header is blue and contains the Polars logo, the title 'Polars user guide', a search bar, and the GitHub repository information 'pola-rs/polars' with 37.2k stars and 2.6k forks. Below the header, there are navigation links for 'Polars', 'Polars Cloud', and 'Polars on-premises'. The main content area features a large blue banner with the Polars logo and the word 'Polars' in white. To the left of the banner is a sidebar menu with the following items: 'Polars', 'User guide' (highlighted), 'Getting started', 'Installation', 'Concepts', 'Expressions', and 'Transformations'. To the right of the banner is a 'Table of contents' section with the following items: 'Key features', 'Philosophy', 'Example', 'Community', 'Contributing', and 'License'.



.str.split(' ')-> Explode

Add rows for each word

Code example: Obtain one row per word

```
A_LFA1 = (  
  A_LFA1  
  .filter(  
    PI_POLARS.col(  
      'LFA1_STRAS'  
    ).str.len_chars() > 2)  
  .select(  
    [  
      'LFA1_LIFNR',  
      'LFA1_STRAS',  
      'ZF_LFA1_STRAS_CLEAN'  
    ]  
  )  
  .with_columns([  
    PI_POLARS.col('ZF_LFA1_STRAS_CLEAN')  
    .str.split(' ')  
    .alias('ZF_LFA1_STRAS_CLEAN_WORD')  
  ])  
  .explode('ZF_LFA1_STRAS_CLEAN_WORD')  
)
```

| ZF_LFA1_STRAS_CLEAN | ZF_LFA1_STRAS_CLEAN_WORD |
|----------------------|---------------------------------|
| "12 MAIN STREET" | ["12", "MAIN", "STREET"] |
| "AV DA LIBERDADE 45" | ["AV", "DA", "LIBERDADE", "45"] |

| LFA1_LIFNR | ZF_LFA1_STRAS_CLEAN | ZF_LFA1_STRAS_CLEAN_WORD |
|------------|---------------------|--------------------------|
| 100001 | 12 MAIN STREET | 12 |
| 100001 | 12 MAIN STREET | MAIN |
| 100001 | 12 MAIN STREET | STREET |
| 100002 | AV DA LIBERDADE 45 | AV |
| 100002 | AV DA LIBERDADE 45 | DA |

Notice how explode() is run outside .with_columns()



Join

We do explode so that we can join word-by-word:

Code example: Inner join to filter

```
A_LFA1=(  
  A_LFA1  
  .join(  
    A_OFAC,  
    left_on = 'ZF_LFA1_NAME1_WORD',  
    right_on = 'ZF_OFAC_SDN_WORD',  
    how = 'inner'  
  )  
)
```

And later we can
count matching
words



Levenshtein on the full name

We do Levenshtein on full name ... we could use rapidfuzz

Rapidfuzz is more
intelligent

Levenshtein is
easy to explain
and predictable

Dr. Levenshtein

Vladimir I. Levenshtein

Biography

A pioneer in the theory of error correcting codes, Dr. Vladimir I. Levenshtein is known as the father of coding theory in Russia. A research professor at the Keldysh Institute for Applied Mathematics at the Russian Academy of Sciences in Moscow, Levenshtein's contributions are present in consumers' everyday lives. His "Levenshtein distance," or "edit distance," is the root of today's spell-checking computer applications; and he has also contributed to the basic technology found in third generation wired cellular telephony.

Dr. Levenshtein has provided the best-known universal bounds to optimal sizes of codes and designs in metric spaces, including the Hamming space and the Euclidean sphere. In particular, they led to the discovery of the long-sought kissing numbers for $n=8$ and $n=24$. Dr. Levenshtein authored optimal constructions for several error correcting problems, including: codes that correct a quarter or more of the errors present; codes with a given comma free index; perfect codes able to correct single deletions and single peak shifts; and binary codes with a given probability of undetected error. His work on the universal efficient coding of integers has led to algorithms that offer promising applications in data compression.

The Levenshtein Distance and his designs and bounds are widely used in many engineering, statistics and bioinformatics applications. His recent study into the efficient decoding of information based on the observation of several corrupted copies is expected to have applications in areas as

Vladimir I. Levenshtein



Vladimir I. Levenshtein

Associated organizations

Russian Academy of Sciences

Fields of study

Coding



Levenshtein on the full name

We import the library and then we use the function from the library –so that we don't need to write the code ourselves about how many characters different the names are

Two different approaches – same result (using zip or map_elements())

Code example: Scoring with Levenshtein

```
import Levenshtein as PI_LEVENSHTTEIN

ZV_LI_INV_LEVENSHTTEIN = [
    round((1 / (PI_LEVENSHTTEIN.distance(ZV_ST_ADDR1, ZV_ST_ADDR2) + 1)) * 100,
2)
    for ZV_ST_ADDR1, ZV_ST_ADDR2 in zip(
        P01_10_05_TT_DF_OFAC_LFA1['ZF_OFAC_ADD_CLEAN'].to_list(),
        P01_10_05_TT_DF_OFAC_LFA1['ZF_LFA1_STRAS_CLEAN'].to_list()
    )
]

P01_10_05_TT_DF_OFAC_LFA1 = (
    P01_10_05_TT_DF_OFAC_LFA1
    .with_columns(
        [
            PI_POLARS.Series('ZF_INV_LEVENSHTTEINDIST', ZV_LI_INV_LEVENSHTTEIN)
        ]
    )
)
```

```
464 # Define a function to calculate levenshtein distance between two values
465 def FC_CALCULATE_INV_LEVENSHTTEIN_DISTANCE(ZVFCI_VALUE1, ZVFCI_VALUE2):
466     return round((1 / (PI_LEVENSHTTEIN.distance(ZVFCI_VALUE1, ZVFCI_VALUE2) + 1)) * 100, 2)
467
468 # Define a function to pass row items to levenshtein distance calculation
469 def FC_MAP_INV_LEVENSHTTEIN_DISTANCE(ZVFDI_DI_STRUCT):
470     ZV_LI_STRUCT = list(ZVFDI_DI_STRUCT.values())
471
472     return FC_CALCULATE_INV_LEVENSHTTEIN_DISTANCE(
473         ZV_LI_STRUCT[0] or '',
474         ZV_LI_STRUCT[1] or ''
475     )
476
477 # Step 9.1/ Addresses
478 P01_10_15_TT_DF_LFA1ADDR_OFACADD = (
479     P01_10_15_TT_DF_LFA1ADDR_OFACADD
480     .with_columns(
481         [
482             PI_POLARS.lit('Address comparison')
483             .alias('ZF_OFAC_LFA1_COMP_DESC'),
484
485             PI_POLARS.struct(
486                 [
487                     'ZF_ADD_ADDRESS_CLEAN',
488                     'ZF_LFA1_STRAS_CLEAN'
489                 ]
490             )
491             .map_elements(
492                 FC_MAP_INV_LEVENSHTTEIN_DISTANCE,
493                 return_dtype=PI_POLARS.Float64
494             )
495             .alias('ZF_INV_LEVENSHTTEINDIST'),
```



Group by to consolidate the results

We use `group_by()` very often

In the `agg()` we can use many options.

```
P01_10_15_TT_DF_LFA1ADDR_OFACADD = (  
P01_10_15_TT_DF_LFA1ADDR_OFACADD  
  .group_by(  
    [  
      'LFA1_LIFNR',  
      'LFA1_STRAS',  
      'ZF_LFA1_STRAS_CLEAN',  
      'ADD_ENT_NUM',  
      'ADD_ADDRESS',  
      'ZF_ADD_ADDRESS_CLEAN'  
    ]  
  )  
  .agg(  
    PI_POLARS.col('ZF_OFAC_LFA1_COMP_DESC')  
      .first(),  
  
    PI_POLARS.col('ZF_INV_LEVENSHTTEINDIST')  
      .first(),  
  
    PI_POLARS.col('ZF_LFA1_OFAC_CLEAN_EXACT_MATCH')  
      .first(),  
  
    PI_POLARS.col('ZF_LFA1_STRAS_CLEAN_WORD')  
      .n_unique()  
      .alias('ZF_NUM_WORDS')  
  )  
  .with_columns(  
    /
```



Group by to consolidate the results

We use `concat()` very often to concatenate dataframes together

```
# Step 10/ Concatenate the three sets of results into one table
P01_10_18_XT_DF_LFA1_OFAC_SCORING = (
    PI_POLARS.concat(
        [
            P01_10_15_TT_DF_LFA1ADDR_OFACADD,
            P01_10_16_TT_DF_LFA1NAME1_OFACALT,
            P01_10_17_TT_DF_LFA1NAME1_OFACSDN
        ],
        how='diagonal_relaxed'
    )
)
```

`Diagonal_relaxed` is for when we are not sure the columns are the same



Python structures

A list:

```
[1, '2', ['a', 'b', 'c'], 1]
```

A list is a list of objects: can be different types

A set:

```
{1, '2', ['a', 'b', 'c']}
```

A set is a list – but no duplicates allowed

An array:

```
[1, 2, 3, 4, 5]
```

An array is like a list, but all objects of the same type

A tuple

```
(1, '2', ['a', 'b', 'c'], 1)
```

A tuple is like a list but it cannot be changed or indexed

A dictionary:

```
{  
    'Suppliers': ('a', 'b', 'c')  
    'Number': (1, 2, 3)  
    'Value': (100, 150, 300)  
}
```

A dictionary has names that reference objects.

A dataframe:



A dataframe (~table) is like a dictionary, where the names are column names and the objects are arrays (have same type within them).

A series:



If we take a column out it is called a series



Python structures

(GBP, EUR)
(GBP, USD)
(GBP, ZAF)
Group keys

group_by
object

| TCURR_GDATU | TCURR_UKURS |
|-------------|-------------|
| 20250101 | 0.61 |
| 20250101 | 0.93 |
| 20250101 | 20.01 |
| 20250102 | 20.03 |
| 20250103 | 20.02 |
| ... | ... |

Dataframes



Python structures

```
group_by([  
    Material,  
    Month  
])
```

3 Sub
dataframes

| Material | Month | Posting date | Input date | Input time | Document | Item | Quantity | Value |
|----------|----------|--------------|-------------|------------|----------|------|----------|-------|
| Bolts | Jan 2025 | 1 Jan 2025 | 1 Jan 2025 | 00:01:30 | 00001234 | 0001 | 10 | 200 |
| Bolts | Jan 2025 | 2 Jan 2025 | 2 Jan 2025 | 00:05:20 | 00001235 | 0001 | 3 | 60 |
| Bolts | Jan 2025 | 3 Jan 2025 | 3 Jan 2025 | 00:16:10 | 00001236 | 0001 | 2 | 400 |
| Bolts | Jan 2025 | 25 Jan 2025 | 25 Jan 2025 | 00:01:30 | 00001237 | 0001 | 14 | 280 |
| Bolts | Feb 2025 | 1 Feb 2025 | 1 Jan 2025 | 00:01:30 | 00001238 | 0001 | 5 | 1000 |
| Bolts | Feb 2025 | 2 Feb 2025 | 1 Jan 2025 | 00:05:20 | 00001241 | 0001 | 6 | 1200 |
| Bolts | Feb 2025 | 3 Feb 2025 | 1 Jan 2025 | 00:16:10 | 00001242 | 0001 | 17 | 3400 |
| Bolts | Feb 2025 | 25 Feb 2025 | 1 Jan 2025 | 00:01:30 | 00001256 | 0001 | 2 | 400 |
| Bolts | Mar 2025 | 1 Mar 2025 | 1 Mar 2025 | 00:01:30 | 00001281 | 0001 | 21 | 4200 |
| Bolts | Mar 2025 | 28 Mar 2025 | 28 Mar 2025 | 00:05:20 | 00001290 | 0001 | 32 | 6400 |



https://300academy.github.io/STREAMLIT_EXAMPLE/02_PROGRAMMES/

Did you know that you can host your python applications as a web-page for free using Streamlit?

This could be a quick work around for sharing your python analysis with the internal audit team.

20260429_03_Streamlit?

1. Would you like us to include a session on Streamlit? (Single choice)

- Yes
- No



Questions?