

# Reddit exercises

# Ex1

By using PRAW library, authenticate on the Reddit API, instantiate an api object and verify that everything is working properly by printing your own Reddit name.

Use:

- 'client\_id' as returned by Reddit API related to app's registration
- 'client\_secret' as obtained as previous item
- 'username': your Reddit username
- 'password': your Reddit password

## Ex2

By using PRAW, retrieve the today's top items from the subreddit 'learningpython' and save the found items in a csv file with the number of comments:

OPTIONAL: save in order of number of comments in the csv

```
"id","title","n comments"  
"10v61tb","Python Regex Help","11"  
"10ux48n","How can you make your code run faster?","9"  
"10v7nxc","How to automate marking the row on all sites of PDF document?","2"  
"10un83g","need help with health bar to percentage","5"  
"10v9oe5","Tetris python","2"
```

# Ex3

By using Pullpush API, retrieve from the subreddit 'wallstreetbets' the submissions resulting from the query 'money' between the 1st and the 7th of January 2023:

OPTIONAL: save in order of frequency in the csv

```
id","name","n_comments"  
"1leg5af","Beginner's Python Cheat Sheets (updated)","27"  
"1le75d2","A python script that send alert when a school website reservation is open","24"  
"1le4dge","Concatenation in Python","20"  
"1led0yq","How to make Venn Diagram from 13 Boolean columns","4"  
"1le4al8","Is it normal to feel overwhelmed and confused when learning python as your first  
language?","18"
```

## Ex4

By using the library PRAW, starting from the submissions csv file ("submissions2.csv" file) of Ex3, retrieve the comments for each item and write them in a csv file named 'comments' with the following format:

```
"submission id","comment id","comment","author"  
"11eldu6","jaev9wo","It's definitely possible. You just need a time machine and enough capital to push the  
price to $100k.", "Bunker_Beans"  
"11eldu6","jaf0h1k","Plus Forbes","Xpressivee"  
"11eldu6","jaf2e6m","![gif] (giphy|3og0IvAdrwbyA5sLm|downsized) ", "Main_Sergeant_40"  
"11eldu6","jafkfxf","Is this financial advise?", "UsedTableSalt"
```

### Note:

For each PRAW submission instance, use the call `.comments.replace_more(limit=None)` to skip “load more comments” and “continue this thread” objects.

See <https://praw.readthedocs.io/en/stable/tutorials/comments.html> for more info about comments extraction.

## Ex4-pullpush

By using Pullpush API, starting from the submissions csv file ("submissions2.csv" file) of Ex3, retrieve the comments for each item and write them in a csv file named 'comments' with the following format:

```
"submission_id","comment_id","comment","author"
```

```
"11e1du6","jaev9wo","It's definitely possible. You just need a time machine and enough capital to  
push the price to $100k.","Bunker_Beans"
```

```
"11e1du6","jaf0h1k","Plus Forbes","Xpressivee"
```

```
"11e1du6","jaf2e6m","![gif](giphy|3og0IvAdrwbyA5sLm|downsized)","Main_Sergeant_40"
```

```
"11e1du6","jafkfxf","Is this financial advise?","UsedTableSalt"
```

# Ex5

Retrieve posts from the subreddit "learnpython" between the 1st and the 15th of February 2023 that received a significant number of first-level comments (greater than 20). For each post, gather the following:

1. The post's ID, title, number of comments, and the number of upvotes.
2. For each post, collect the comment with maximum "score" (difference between upvotes and downvotes).
3. Save this information in a CSV file named february\_learnpython.csv with the following columns:
  - post\_id
  - title
  - n\_comments
  - upvotes
  - top\_comment\_id
  - top\_comment\_text
  - top\_comment\_score

*Tip: Fetch posts from pullpush API within the specified date range and exploit pagination for gathering all data.*