

```
import requests
```

```
def sentiment(sentence):
```

```
    #import urllib.request as r
```

```
    import json
```

```
    dic=dict()
```

```
    dic["text"]=sentence
```

```
    senti=json.loads(requests.post("http://text-processing.com/api/sentiment/",dic).text)
```

```
    return senti
```

```
def get_comments(IDL):
```

```
    reddit = praw.Reddit(client_id=", \
```

```
                        client_secret=", \
```

```
                        user_agent=", \
```

```
                        username=", \
```

```
                        password="")
```

```
    submission = reddit.submission(IDL)
```

```
    from praw.models import MoreComments
```

```
    submission.comments.replace_more(limit=None)
```

```
    comment_queue = submission.comments[:] # Seed with top-level
```

```
    while comment_queue:
```

```
        comment = comment_queue.pop(0)
```

```
        print(comment.body,sentiment(comment.body)["label"])
```

```
        comment_queue.extend(comment.replies)
```

```
    for i in comment_queue:
```

```
        print(i)
```

```
def reddit_scrapper(url, num, after = None):
```

```
    posts = []
```

```
    # loop through the num pages, each subreddit .json returns 25 posts
```

```
    for page in range(num):
```

```
        # initiate params modifier for posts if there no defined after
```

```
        if after == None:
```

```
            params = {}
```

```
        # add in after id for each loop following to ensure no duplicate posts
```

```
        else:
```

```
            params = {'after': after}
```

```
        # call our get request for the posts
```

```
        res = requests.get(url, params=params)
```

```
        # check status code, 200 means posts were successfully downloaded
```

```
        if res.status_code == 200:
```

```
            # convert request to .json
```

```

        new_json = res.json()
        # extend list from the 'children' dictionary for each request
        posts.extend(new_json['data']['children'])
        # update after id
        after = new_json['data']['after']
    else:
        # print status code if not 200
        print(res.status_code)
        break
    # wait 1 second
    time.sleep(1)

# create a new dataframe with the 'data' from each post
new_df = pd.DataFrame([post['data'] for post in posts])

# print final value of after
print(f'Final value of after parameter: {after}')

# return the dataframe
return new_df
#3NI9Q_a8GR0p_g
# 2R4HP3mzTKKOHgjG5Ztas99IW20
import praw
import requests,time
import pandas as pd
reddit = praw.Reddit(client_id=", \
                      client_secret=", \
                      user_agent='sportsapp', \
                      username=", \
                      password=")
subreddit = reddit.subreddit('IndianFootball')
top_subreddit = subreddit.top(limit=100)
print(top_subreddit)
c=[]
for submission in subreddit.top():
    c.append((submission.title, submission.id))

#pass
#data=reddit_scrapper("https://www.reddit.com/r/IndianFootball/",10)
get_comments('dmwypp')

```