In [ ]: ```
pip install tweepy
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/
public/simple/
Requirement already satisfied: tweepy in /usr/local/lib/python3.8/dist-packages (3.1
0.0)
Requirement already satisfied: six>=1.10.0 in /usr/local/lib/python3.8/dist-packages
(from tweepy) (1.15.0)
Requirement already satisfied: requests-oauthlib>=0.7.0 in /usr/local/lib/python3.8/
dist-packages (from tweepy) (1.3.1)
Requirement already satisfied: requests[socks]>=2.11.1 in /usr/local/lib/python3.8/d
ist-packages (from tweepy) (2.25.1)
Requirement already satisfied: oauthlib>=3.0.0 in /usr/local/lib/python3.8/dist-pack
ages (from requests-oauthlib>=0.7.0->tweepy) (3.2.2)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/local/lib/python3.8/dis
t-packages (from requests[socks]>=2.11.1->tweepy) (1.24.3)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.8/dist-p
ackages (from requests[socks]>=2.11.1->tweepy) (2022.12.7)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.8/dist-package
s (from requests[socks]>=2.11.1->tweepy) (2.10)
Requirement already satisfied: chardet<5,>=3.0.2 in /usr/local/lib/python3.8/dist-pa
ckages (from requests[socks]>=2.11.1->tweepy) (4.0.0)
Requirement already satisfied: PySocks!=1.5.7,>=1.5.6 in /usr/local/lib/python3.8/di
st-packages (from requests[socks]>=2.11.1->tweepy) (1.7.1)
```

In [ ]: ```python
# Imports the needed libraries
# You may need to install tweepy
import tweepy
import pandas as pd
import time
```

In [ ]: ```python
api_key = 'y3Ss7LEomTSRu1qGvydZZyqL0'
api_key_secret =
access_token = '34103544-mfZdwY9HzHW2PvRotpFzUfcp0MY55vf3RB3sKdPzG'
access_token_secret =
auth = tweepy.OAuthHandler(api_key, api_key_secret)
auth.set_access_token(access_token, access_token_secret)
api = tweepy.API(auth,wait_on_rate_limit=True)
```

In [ ]: ```python
# to get a keyword search returning 15
# query = COVID or whatever you want
# tweet_mode extended contains the entire untruncated text of the Tweet
# _tweets
cursor = tweepy.Cursor(api.search, q="balloon", tweet_mode = 'extended').items(15)
```

In [ ]: ```python
for i in cursor:
  print(i.full_text)
```

RT @answerkhj: one atiny getting attacked by hongjoong's balloon wasn't enough so he
re's seonghwa doing the exact same thing https://t.co/A…
#nbcnews @NBCNews how'd you miss this Chinese spy balloon ??? https://t.co/e19aBzb4E
W
RT @CheriJacobus: Terry Power on FB:

"I followed this Chinese balloon for almost 200 miles only to eventually realize it
was bird poop on…
RT @RealCarlVernon: Days after a big balloon gets shot down, advanced ufos are now f
lying around and getting shot down - with no footage.…
Media should spend time on this rather than the breathless coverage about another ba
lloon shot down.  https://t.co/mX60n8T6Fp
@EddieCaiazzo Chinese space balloon outfits!
RT @KD15181: I'm physically ill that "normal" people are just eating up the balloon,
spycraft, alien UFO bullshit whilst an entire communit…
RT @WeTheBrandon: What was shot down supposedly over Canada by F-22s was NOT an alie
n craft. These are highly advanced Chinese hypersonic d…
RT @NFSC_HAGnews: Balloon will be a powerful weapons in Taiwan War, it is a destruct
ive biological and chemical weapons. https://t.co/gte0X…
RT @KobeissiLetter: Timeline of UFO Events:

1. Feb 2: Chinese Balloon spotted

2. Feb 4: Chinese Balloon shot down

3. Feb 10: UFO seen ov…
RT @themarketswork: This is getting ridiculous.

NORAD changed the filters after the "original" Chinese Spy Balloon. Their systems ar
e now…
@kylenabecker I'd watch a spy balloon tracker than this boring performance.
RT @Jags24Asare: Sorry about tweeting on this so much, its just my mind cant wrap it
self around the fact that this is actively happening in…
RT @idreesali114: The Pentagon says the Chinese spy balloon brought down was differe
nt from other objects, since U.S. military knew exactly…
@SebGorka @samsmith Need an F-22 to shot down that black balloon

In [ ]:
```python
# to get a keyword search
# return a directory of available objects
cursor = tweepy.Cursor(api.search, q="balloon", tweet_mode = 'extended').items(1)
for i in cursor:
  print(dir(i))
```

['__class__', '__delattr__', '__dict__', '__dir__', '__doc__', '__eq__', '__format_
_', '__ge__', '__getattribute__', '__getstate__', '__gt__', '__hash__', '__init__',
'__init_subclass__', '__le__', '__lt__', '__module__', '__ne__', '__new__', '__reduc
e__', '__reduce_ex__', '__repr__', '__setattr__', '__sizeof__', '__str__', '__subcla
sshook__', '__weakref__', '_api', '_json', 'author', 'contributors', 'coordinates',
'created_at', 'destroy', 'display_text_range', 'entities', 'favorite', 'favorite_cou
nt', 'favorited', 'full_text', 'geo', 'id', 'id_str', 'in_reply_to_screen_name', 'in
_reply_to_status_id', 'in_reply_to_status_id_str', 'in_reply_to_user_id', 'in_reply_
to_user_id_str', 'is_quote_status', 'lang', 'metadata', 'parse', 'parse_list', 'plac
e', 'retweet', 'retweet_count', 'retweeted', 'retweeted_status', 'retweets', 'sourc
e', 'source_url', 'truncated', 'user']

In [ ]:
```python
# return tweets and create a series of empty lists
number_of_tweets = 20
tweets = []
likes = []
time= []
source = []
for i in tweepy.Cursor (api.search, q ="balloon", tweet_mode = 'extended', lang='en
 tweets.append(i.full_text)
 likes.append (i.favorite_count)
 time.append (i.created_at)
 source.append (i.source)
source
# You can run this for each of your placeholders (i.e. tweets, likes, etc.)
```

Out[ ]:
```
['Twitter for Android',
 'Twitter for iPhone',
 'Twitter for iPhone',
 'Twitter for Android',
 'Twitter for iPhone',
 'Twitter for iPhone',
 'Twitter for iPhone',
 'Twitter for Android',
 'Twitter for Android',
 'Twitter for iPhone',
 'Twitter for Android',
 'Twitter for Android',
 'Twitter for iPhone',
 'Twitter Web App',
 'Twitter for iPhone',
 'Twitter for Android',
 'Twitter Web App',
 'Twitter for Android',
 'Twitter for iPhone',
 'Twitter Web App']
```

In [ ]:
```python
# create a dataframe from the lists and output in table format
df = pd.DataFrame ({'tweets':tweets, 'likes':likes, "time": time, 'source':source})
df.head()
```

Out[ ]:

	tweets	likes	time	source
0	RT @EmoPhilips: the spy balloon shows how far …	0	2023-02-13 01:38:03	Twitter for Android
1	You think that Chinese spy balloon is seeing t…	0	2023-02-13 01:38:02	Twitter for iPhone
2	Seems like the star if this show is the Chines…	0	2023-02-13 01:38:02	Twitter for iPhone
3	@jsam10983741 I think you're wrong. The balloo…	0	2023-02-13 01:38:01	Twitter for Android
4	RT @KobeissiLetter: Timeline of UFO Events:\n\…	0	2023-02-13 01:38:01	Twitter for iPhone

In [ ]: `# create dataframe with filtered results`
```python
df = df[~df.tweets.str.contains ("RT")]
```

In [ ]: `# return last 3 records`
```python
print(df.tail(3))
```

```
                                            tweets  likes  \
14  If Rihanna doesn't leave the stage in a Chines...      0
18  @RonFilipkowski a chinese balloon carrying a n...      0
19              @WendyJean13 Look, its; a Balloon!!      0

                   time              source
14 2023-02-13 01:37:59  Twitter for iPhone
18 2023-02-13 01:37:58  Twitter for iPhone
19 2023-02-13 01:37:58      Twitter Web App
```

In [ ]:
```python
from google.colab import files

df.to_csv('tweets.txt')

files.download('tweets.txt')
```

In [ ]: