

▼ Advanced Research Access

[Twitter v1.1 - API class](#)

In order to use this feature in Twitter you need [advanced research access](#).

Know more about Twitter API [access](#).

```
!pip install -U tweepy
```

```
Requirement already satisfied: tweepy in /usr/local/lib/python3.7/dist-packages (3.10.0)
Collecting tweepy
  Downloading tweepy-4.4.0-py2.py3-none-any.whl (65 kB)
    |████████████████████████████████████████| 65 kB 3.0 MB/s
Requirement already satisfied: requests-oauthlib<2,>=1.0.0 in /usr/local/lib/python3.7/dist-packages (from tweepy) (1.3.0)
Requirement already satisfied: requests<3,>=2.11.1 in /usr/local/lib/python3.7/dist-packages (from tweepy) (2.23.0)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.11.1->tweepy) (2.10)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.11.1->tweepy) (
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.11.1->tweepy) (
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests
Requirement already satisfied: oauthlib>=3.0.0 in /usr/local/lib/python3.7/dist-packages (from requests-oauthlib<2,>=1.0.0->twe
Installing collected packages: tweepy
  Attempting uninstall: tweepy
    Found existing installation: tweepy 3.10.0
    Uninstalling tweepy-3.10.0:
      Successfully uninstalled tweepy-3.10.0
Successfully installed tweepy-4.4.0
```

▸ Secret Keys

▶ 1 cell hidden

▼ Authentication

Check for Authentication doc [here](#)

We will use [OAuthHandler](#)

Pass all the credential keys while creating authentication object

```
import tweepy
from tweepy import OAuthHandler
```

```
auth = tweepy.OAuthHandler(api_key, api_key_secret)
auth.set_access_token(access_token, access_token_secret)
```

▼ API class

API class provides access to the entire Twitter API functions. Check documentation [here](#).

Pass the Authentication object while creating the API object.

```
api = tweepy.API(auth)
```

▼ Searching/Getting tweets

There are lot of methods available for accessing the Twitter API but we will limit to only search.

1. [Search Tweets](#)

```
Tweets = api.search_tweets("#vaccination", count = 100)
```

```
data_t = []
```

```
i=0
for tweet in Tweets:
    i=i+1
    #print(i, " ", tweet.text)
    data_t.append(tweet.text)
```

```
len(data_t)
```

```
100
```

▼ Cursor

To traverse page by page we have to use *Pagination*. Refer: <https://docs.tweepy.org/en/latest/pagination.html>

v1 - [Cursor](#) class

- [item\(\)](#) can be used to get maximum tweets to iterate through

Since we are only using search_tweets()- pass it as argument to Cursor constructor.

```
items = tweepy.Cursor(api.search_tweets, "#cricket -is:retweet lang:en", count=100, lang='en').items(10000)
```

```
data=[]

for item in items:
    data.append(item.text)
```

```
len(data)
```

```
10000
```

```
import pandas as pd
df = pd.DataFrame(data, columns=["tweets"])
```

```
df.head(10)
```

	tweets
0	RT @mmustafa_abid: Imran Tahir ! You Beauty 🏏\...
1	RT @SajSadiqCricket: Mohammad Rizwan has been ...
2	RT @Cricketracker: Four consecutive defeats fo...
3	RT @SajSadiqCricket: Mohammad Rizwan's father ...
4	RT @TeamLucknowIPL: Mission 'BOUNCE BACK' comm...
5	RT @imtheguy007: Winning a series in South Afr...
6	TODAY #CRICKET\n#BPL T20 SERIES 2022\nBanglade...
7	RT @SuvamKoirala_45: That applaud from little ...
8	RT @shivam_bangwal: Here is #Vamika ❤️👉\nGoat ...
9	RT @cricketnmore: Rishabh Pant is not having a...

▼ Store to csv

```
from google.colab import drive
drive.mount('/content/gdrive/')
```

```
Mounted at /content/gdrive/
```

```
cd /content/gdrive/MyDrive/19CSE453_NLP
```

```
/content/gdrive/MyDrive/19CSE453_NLP
```

```
df.to_csv("cricket1.csv")
```

▼ Access Home Timeline

```
public_tweets = api.home_timeline()
i = 0
for tweet in public_tweets:
    i=i+1
    print(i, " ", tweet.text)
```

- 1 पूरे उत्तर भारत में सर्दी की मार, पहाड़ों पर भारी बर्फबारी, दिल्ली में जनवरी महीने में बारिश ने 121 साल का तोड़ा रि... <https://t.co/mbQF5zVAdF>
- 2 The #BJP's ally Apna Dal (Sonelal) announced it was fielding Haider Ali Khan of the erstwhile Nawab royalty of Ramp... <https://t.co/mbQF5zVAdF>
- 3 यूपी में 'पावर' पॉलिटिक्स
- 7:10 AM @ZeeNews पर <https://t.co/RBVZ1jrT0x>
- 4 'महा'संग्राम!
- 7:05 AM @ZeeNews पर <https://t.co/XA3DJE1QBI>
- 5 विरासत पर सियासत
- 7:00 AM @ZeeNews पर <https://t.co/XpENjoQmkC>
- 6 #ZeeExclusive: अनुराग ठाकुर

7:15 AM @ZeeNews पर <https://t.co/8nayEP3PfA>

7 A former minister in Britain's Conservative government claims she was told her Muslim faith was a reason she was fi... <https://t.co/8nayEP3PfA>
8 US Embassy in Ukraine has issued a travel advisory stating, "do not travel to Ukraine due to the increased threats... <https://t.co/8nayEP3PfA>
9 The #UK government has taken the unusual step of making a formal statement to warn of a #Russian plot to install a... <https://t.co/8nayEP3PfA>
10 RT @ndtvfeed: Weddings Solemnised In Front Of Closed Tamil Nadu Temple During Lockdown <https://t.co/Gg7M0rnKu3> <https://t.co/8nayEP3PfA>
11 "The celebrity tigress, #Collarwali lived and died in the grand landscape of Pench National Park, aged 16...

What... <https://t.co/hd0KMi4MJh>

12 The Indian #economy has "some bright spots and a number of very dark stains" and the government should target its s... <https://t.co/hd0KMi4MJh>
13 #BharatForBhartiyas

The problem here is they want to erase every history, in which they are not a part of it. They... <https://t.co/bjrK0Ixaee>

14 #NetajiSubhashChandraBose 125th Birth Anniversary: Indian Films That Closely Traced Netaji's Life... <https://t.co/9v5xN1NZzF>
15 Indian grocery #startups are luring tech-savvy customers with the promise of deliveries within 10 minutes, sparking... <https://t.co/9v5xN1NZzF>
16 Tens of thousands of people protested in #Brussels against #COVID19 restrictions, some clashing with police who fir... <https://t.co/9v5xN1NZzF>
17 RT @ZeeNewsSports: #INDvSA: मैच में एक खिलाड़ी ने बहुत ही खराब प्रदर्शन का नजारा पेश किया है.

#Teamindia

<https://t.co/yHJL9JJCqy>

18 RT @ndtvfeed: Plea For Foreign Funding Clearance Of 6,000 NGOs In Supreme Court Today <https://t.co/2Lp2Ww71lp> <https://t.co/yHJL9JJCqy>
19 बर्फ 'काल'

6:30 AM @ZeeNews पर <https://t.co/stepgTFb0E>

▼ Building a Query

<https://developer.twitter.com/en/docs/twitter-api/tweets/search/integrate/build-a-query>

```
query = '@AMRITAedu'
```

```
Tweets = api.search_tweets(query)
```

```
for tweet in Tweets:
```

```
print(tweet.text)
```

@CWEGE_Amrita @AMRITAedu @CrayonBabess

RT @AMRITAedu: Educational Pedagogies & Technologies for Sustainable Development (EPTS 2022) -Translating Sustainable Innov

RT @InCTF: More on Day 1, Arundhati Bhattacharya- chairperson and CEO of Salesforce India delivered her talk on 'Cybersecurity

RT @InCTF: More on Day 1, Arundhati Bhattacharya- chairperson and CEO of Salesforce India delivered her talk on 'Cybersecurity

RT @InCTF: Suvabrata Sinha, Chief Information Security Officer, @NXP, just finished his informative talk at #InCTFCon. His add

@regularjoy @AMRITAedu Missed you.

RT @InCTF: The amazing Ajay Prakash Sawhney, Secretary Ministry of Electronics & IT, Government of India spoke about India'

RT @AMRITAedu: Check out our Amrita JEE Practice Test: Register Now: <https://t.co/KG9gjGU5zP>

#amritavishwavidyapeetham #amrita #jee #iit #...

RT @InCTF: Sandeep Shukla, who is a Professor at the Indian Institute of Technology, Kanpur, spoke about the future of cyber th

RT @ColumbiaSIPA: . @JeffDSachs has received an honorary doctorate from Amrita University @AMRITAedu: @IndiaToday <https://t.co/>

RT @AMRITAedu: .@HRDMinistry funded @AmritaVLabs led by Prof. @KrishnashreeA published "Virtual experimental platforms in chemi

RT @InCTF: Suvabrata Sinha, Chief Information Security Officer, @NXP, just finished his informative talk at #InCTFCon. His add

RT @InCTF: Suvabrata Sinha, Chief Information Security Officer, @NXP, just finished his informative talk at #InCTFCon. His add

Suvabrata Sinha, Chief Information Security Officer, @NXP, just finished his informative talk at #InCTFCon. His ad... <https://t.>

RT @MindBrainCenter: Talking about #cVET, Prof. @bhavani_rrao, UNESCO chair on #genderequality and #womenempowerment adds "Ski



```
query = '#news -is:retweet'
```

```
Tweets = api.search_tweets(query)
```

```
for tweet in Tweets:
```

```
    print(tweet.text)
```

RT @fantagiomusic_: [#아스트로] 진진&라키, 유닛 데뷔 첫 주 활동 성료...숨통 트이게 만든 'Restore'표 명랑 에너지

▶ <https://t.co/IWUB2FCgZj>.

#NEWS #ASTRO #진진 #라키 #JINJIN #ROC...

RT @fantagiomusic_: [#아스트로] 진진&라키, 유닛 데뷔 첫 주 활동 성료...숨통 트이게 만든 'Restore'표 명랑 에너지

▶ <https://t.co/IWUB2FCgZj>.

#NEWS #ASTRO #진진 #라키 #JINJIN #ROC...

Did PlayStation Tease PS1 to PS3 Backward Compatibility on PlayStation 5?

#News #Originals

<https://t.co/70aWxAfEvC>

RT @oricon: 『anan』創刊52年で初の「ゲーム」特集 表紙はHey! Say! JUMP山田涼介

<https://t.co/SFAMAqmCxX>

#山田涼介 #HeySayJUMP #ジャニーズ #anan #加藤シゲアキ #NEWS #佐藤勝利 #中島健人...
RT @fantagiomusic_: [#아스트로] 진진&라키, 유닛 데뷔 첫 주 활동 성료...숨통 트이게 만든 'Restore'표 명랑 에너지
▶ <https://t.co/IWUB2FCgZj>

#NEWS #ASTRO #진진 #라키 #JINJIN #ROC...
Jim Iannazzo attorney gaslighting us. We watched that Tiktok video. His client is violent, racist and unstable. No... <https://t.c>
NEWS and ENTERTAINMENT on JAM Radio.

<https://t.co/q5bQfwme3A>

#rock #countrymusic #folkmusic #BluesMusic #blues... <https://t.co/Off5MUEjmE>
Rough seas expose a trio of historical treasures on NSW beach <https://t.co/32TbT4rhx3> #news #berkleybearnews
RT @barrybutler9: Snow. Sledding. Skyline. Sunday. #chicago #news #ilwx #weather #winter <https://t.co/JQbzSULRbZ>
RT @BNodoubts: no use in us talking if im gonna be practically ditched off in the dust like its meaningless..thats been my prob
උදෑසනම නිවසින් බැහැරව යන ඔබට වැදගත් තොරතුරක්

#srilanka #covid19 #adaderanasinhala #news

වැඩි විස්තර:-... <https://t.co/fscT9S9jPW>
RT @fantagiomusic_: [#아스트로] 진진&라키, 유닛 데뷔 첫 주 활동 성료...숨통 트이게 만든 'Restore'표 명랑 에너지
▶ <https://t.co/IWUB2FCgZj>

#NEWS #ASTRO #진진 #라키 #JINJIN #ROC...
RT @oricon: 『anan』創刊52年で初の「ゲーム」特集 表紙はHey! Say! JUMP山田涼介
<https://t.co/SFAMAqmCxX>

#山田涼介 #HeySayJUMP #ジャニーズ #anan #加藤シゲアキ #NEWS #佐藤勝利 #中島健人...
RT @eiga_natalie: ananでゲーム大好き山田涼介が主人公モード全開、セクゾ連載は佐藤勝利と中島健人
<https://t.co/5M84twpmwH>

#anan #山田涼介 #HeySayJUMP #小島秀夫 #ダイアン #佐藤勝利 #中島健人 #SexyZo...
i dont know what seriously means to some people but they dont take it seriously and that can be depressing. #music... <https://t.c>



Other API which you can explore:

1. [Amazon API Gateway](#)
2. [Meta for Developers](#)

