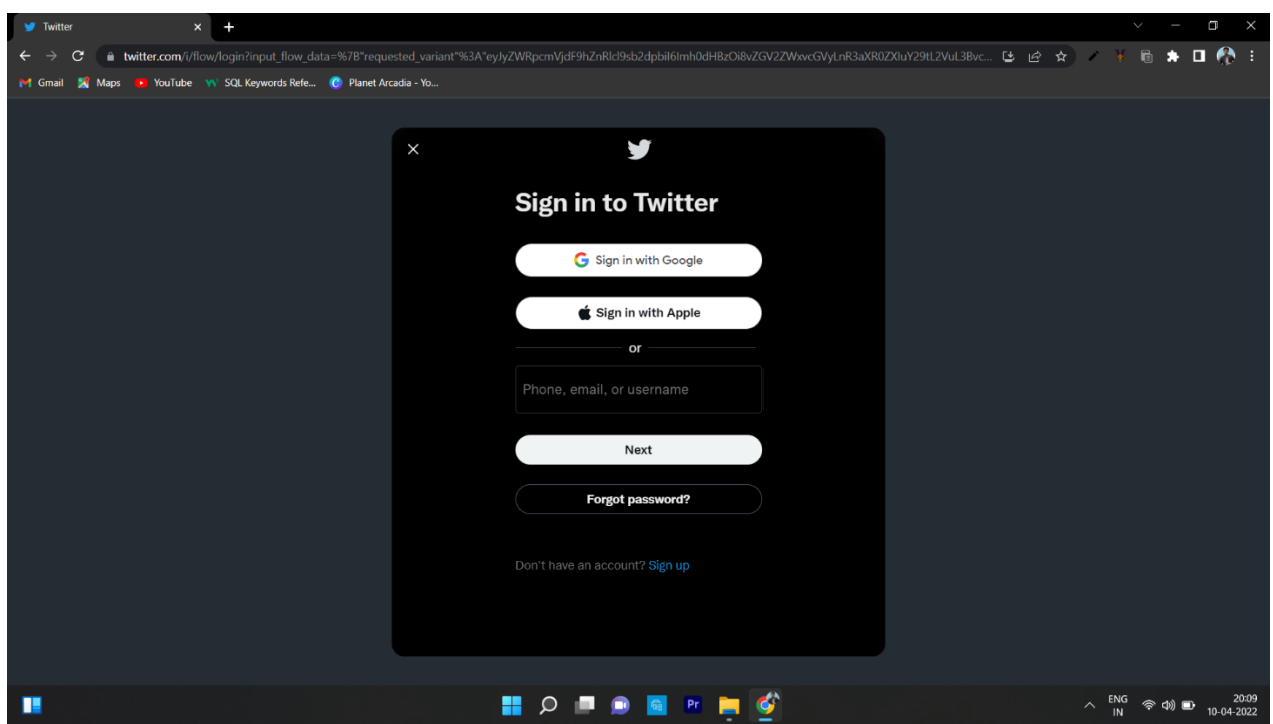


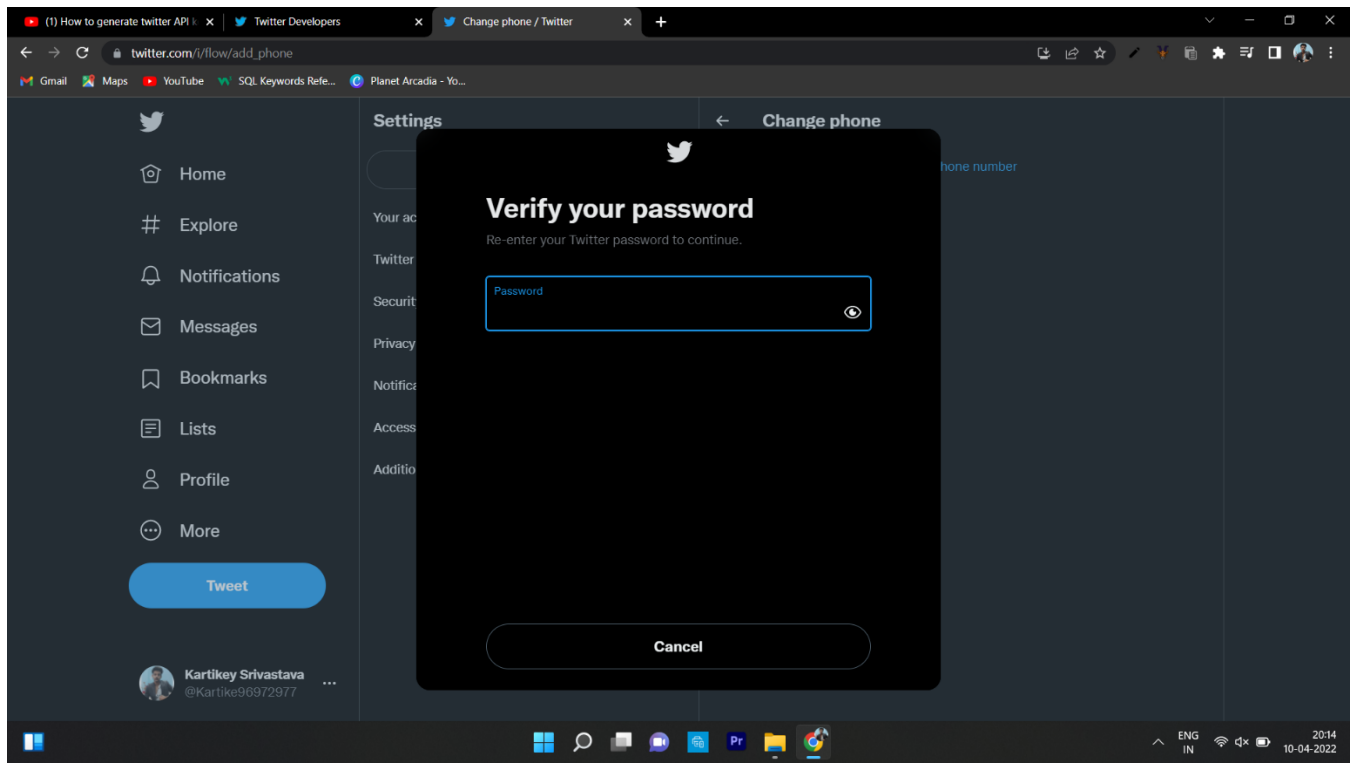
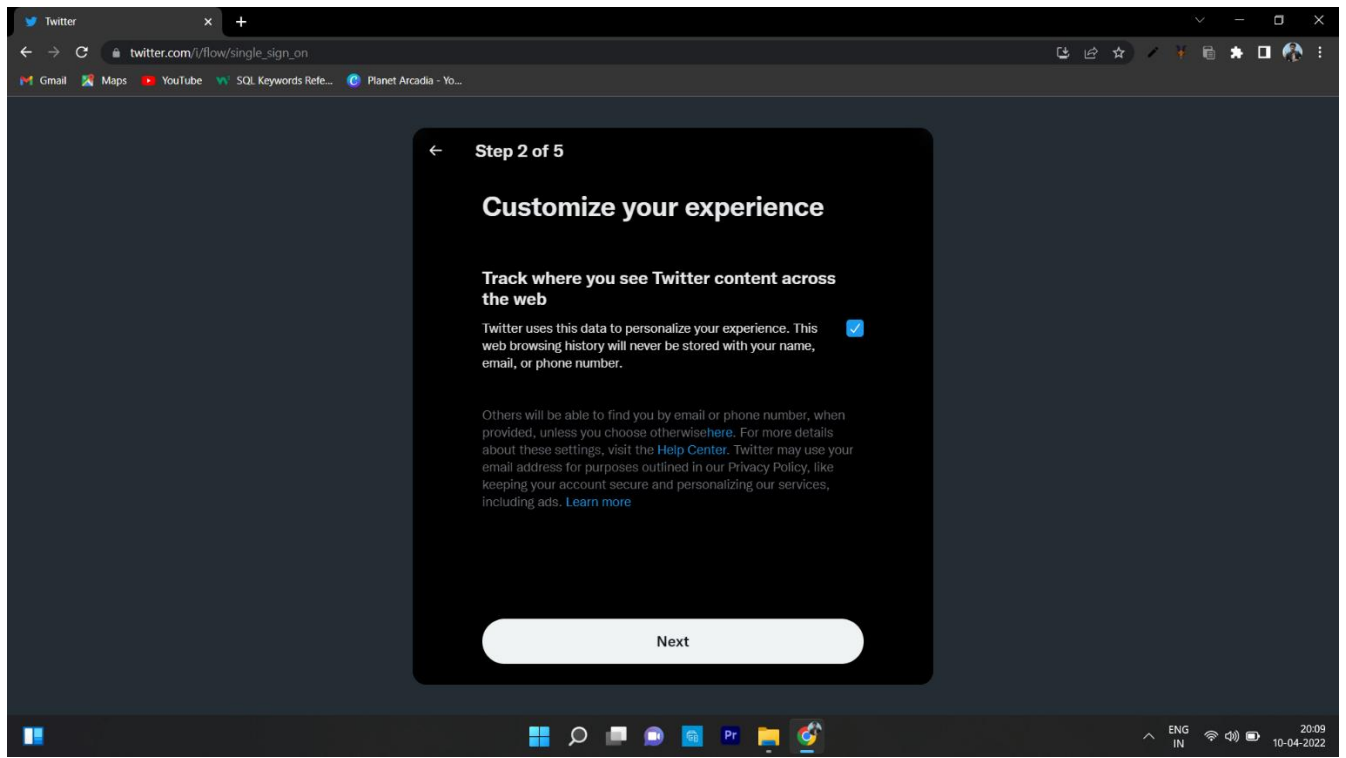
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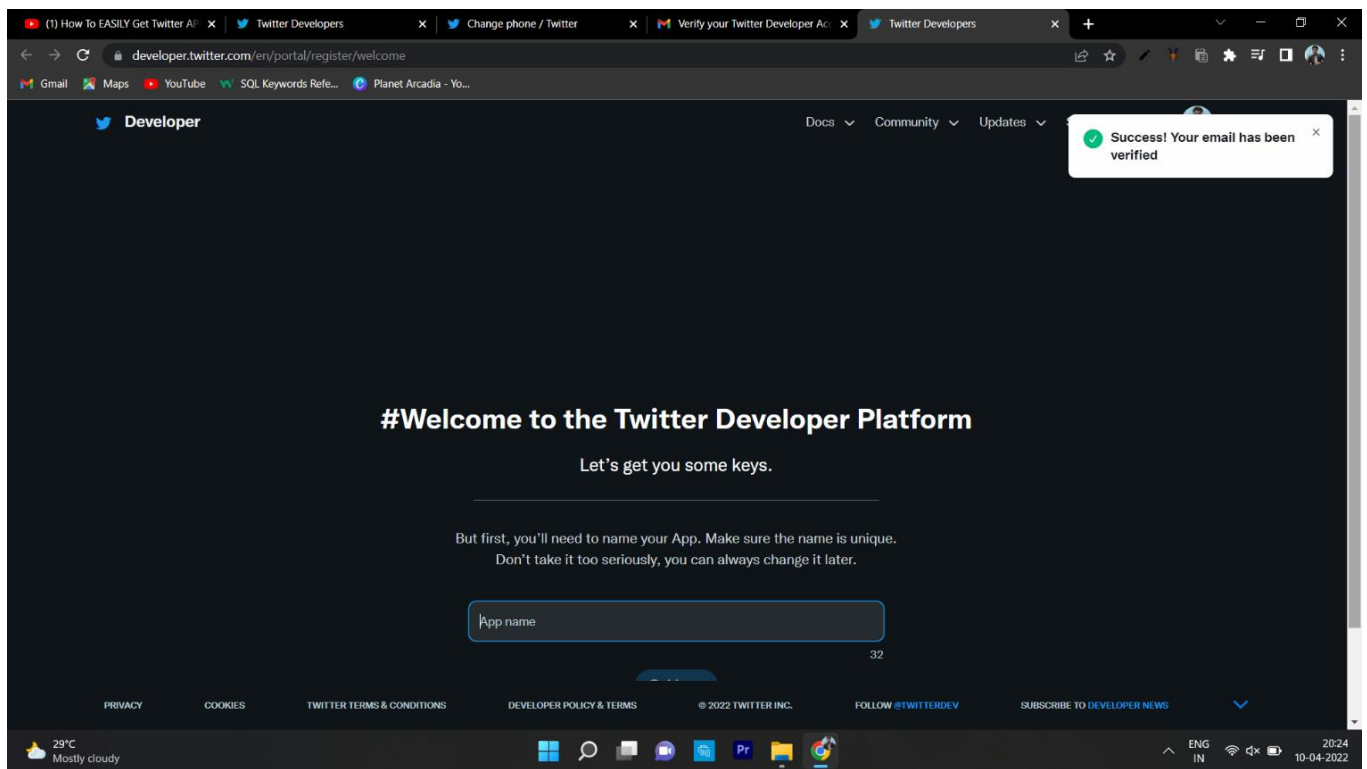
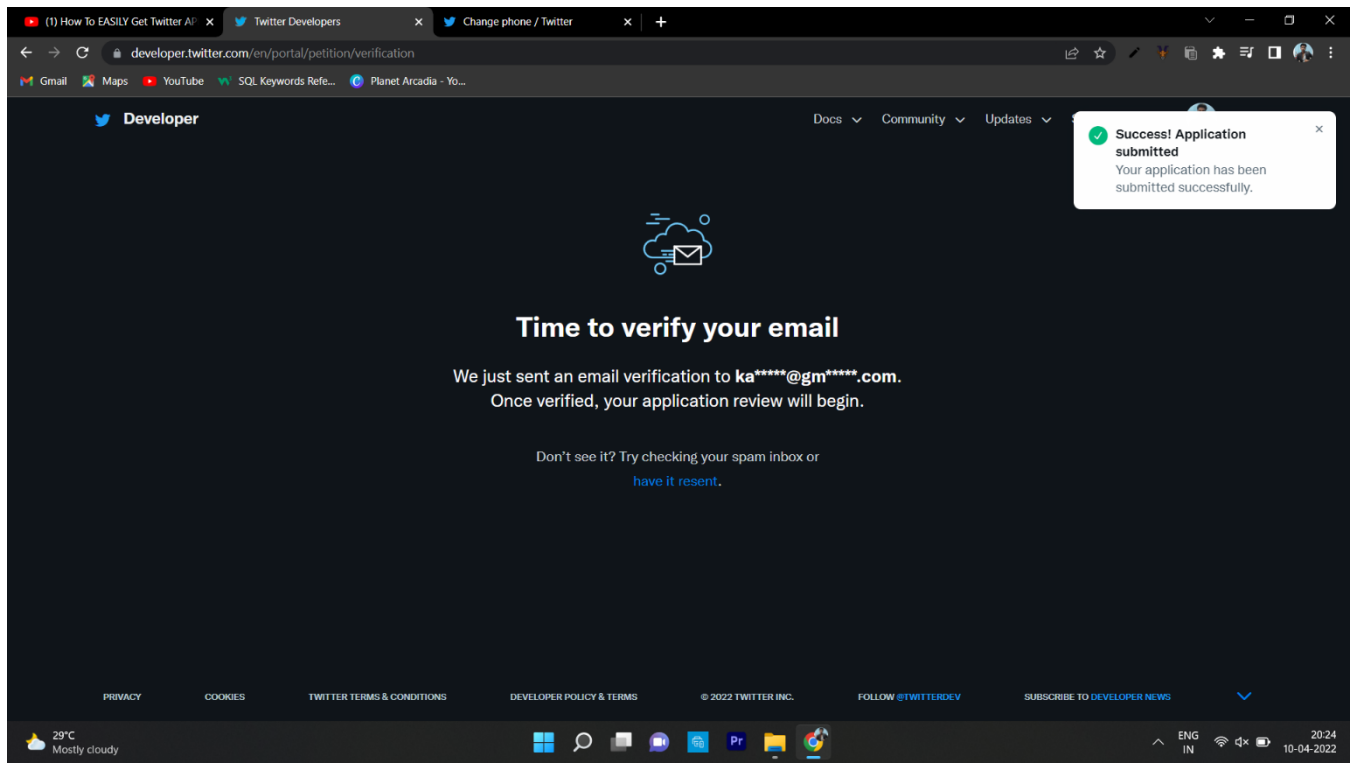
REG.NO: 20BCE0085

DIGITAL ASSIGNMENT

Creating a twitter developers account :







Creating a twitter app to get the API keys!

Developer

Here are your keys

These verify and allow you to make requests to the Twitter API.

API Key ⓘ

Tgq1OfpgSGyCJemh6s3ZY8Aw [Copy](#)

API Key Secret ⓘ

OcSBq8lx3oSx9q9MsPGqBT6vegOXFvNePrE85NJP6XvDJjeupH [Copy](#)

Bearer Token ⓘ

AAAAAAAAAAAAAAAAALVgbQEAAAAJSESSdd2qPQbHID68a
tNNDIk42E%3DNVtIQOfdKWtYhWzEtRQthubPhRMi7lgRfntLYP5rTKr
EPH7 [Copy](#)

How to keep your keys safe

- Save them in a secure location.
- Treat them like passwords or a real set of keys.
- If security has been compromised, regenerate them.
- DO NOT store them in public places or shared docs.

[Skip to dashboard](#) [Test an endpoint](#)

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Developer

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These verify and allow you to make requests to the Twitter API.

API Key ⓘ

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API Key Secret ⓘ

OcSBq8lx3oSx9q9MsPGqBT6vegOXFvNePrE85NJP6XvDJjeupH [Copy](#)

Bearer Token ⓘ

AAAAAAAAAAAAAAAAALVgbQEAAAAJSESSdd2qPQbHID68a
tNNDIk42E%3DNVtIQOfdKWtYhWzEtRQthubPhRMi7lgRfntLYP5rTKr
EPH7 [Copy](#)

Did you save your API Key and API Key Secret?

- Save them in a secure location
- Treat them like a password or a set of keys
- If security has been compromised, regenerate them
- DO NOT store them in public places or shared docs

[Cancel](#) [Yes, I saved them](#)

How to keep your keys safe

- Save them in a secure location.
- Treat them like passwords or a real set of keys.
- If security has been compromised, regenerate them.
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[Skip to dashboard](#) [Test an endpoint](#)

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API Key Tgq1OfpgSGyCJemh6s3ZyY8Aw

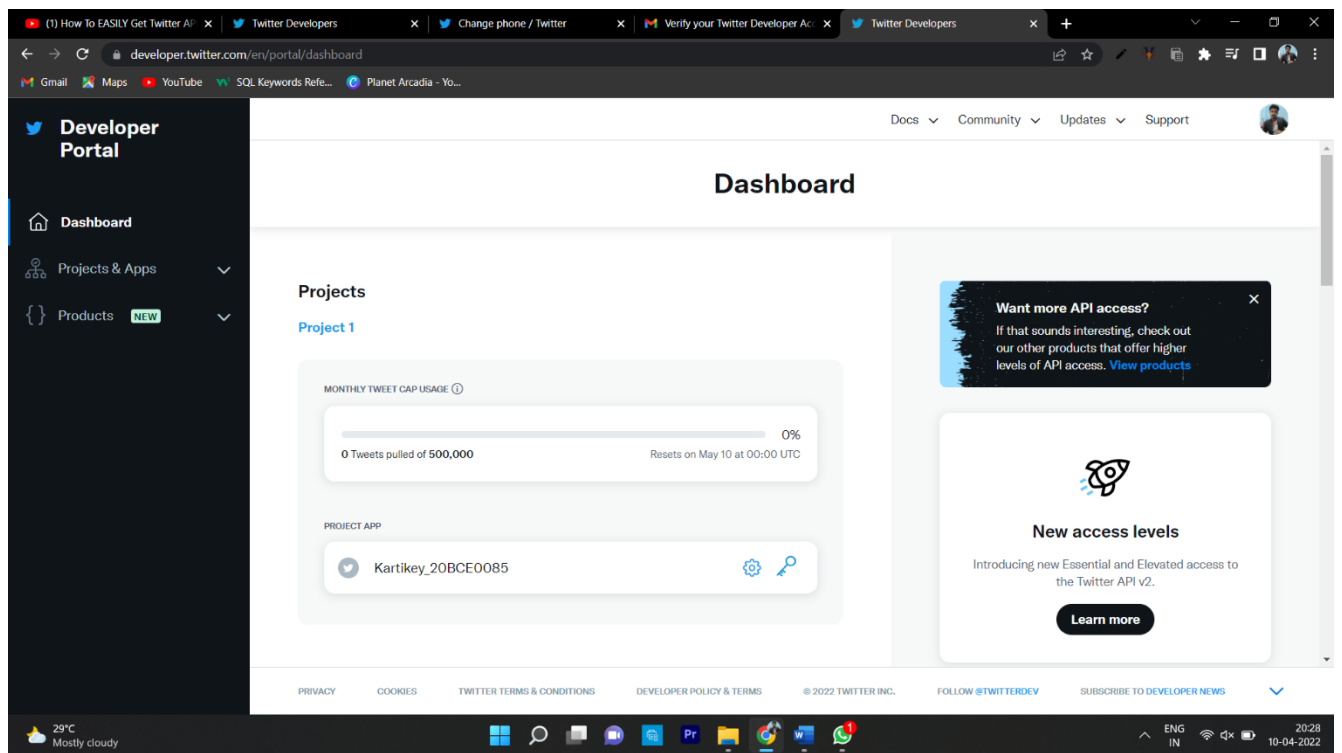
API Key Secret 0cSBq8lx3oSx9q9MsPGqBT6veg0XFvNePrE85NJP6XvDJjeupH

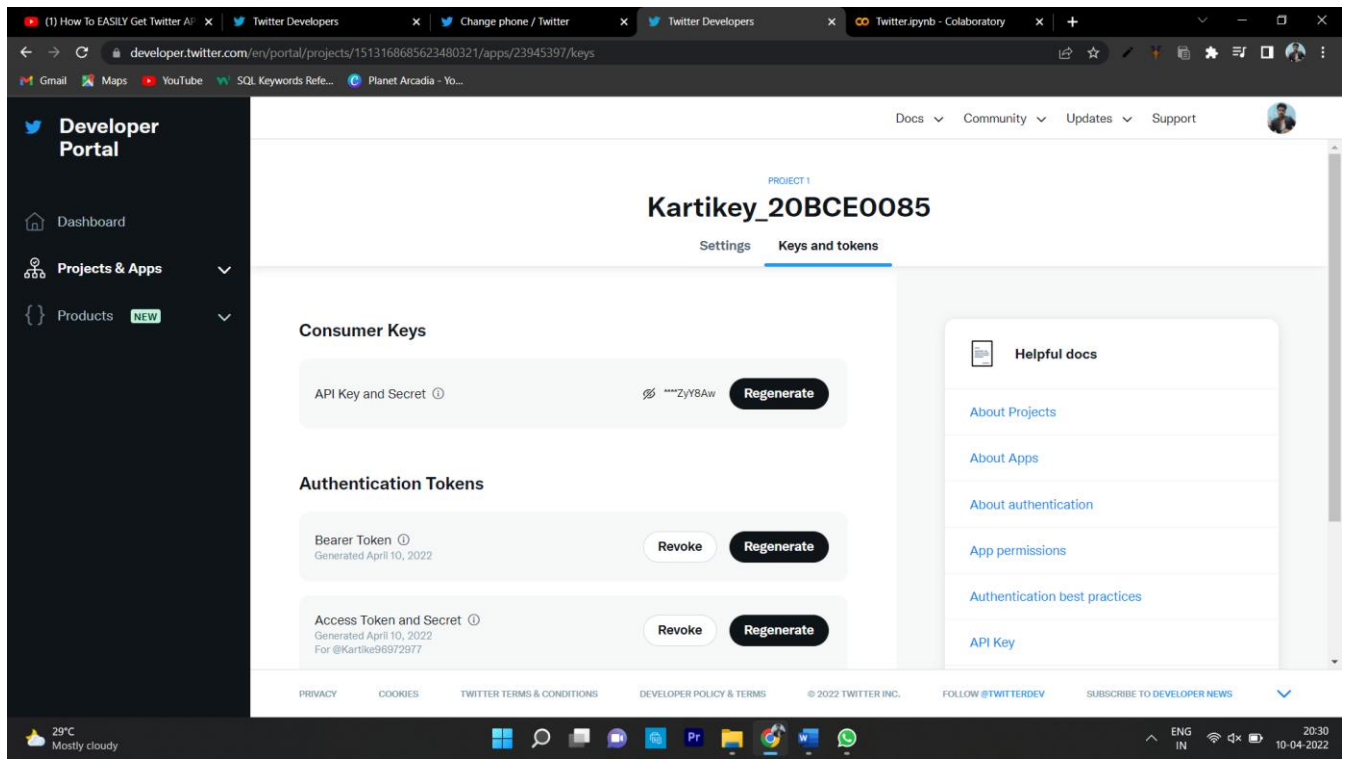
BearerToken

AAAAAAAAAAAAAAAAAAAAALVgbQEAAAAAJSESSdd2qPQbHID68atNNDIk42E%3DNVfI
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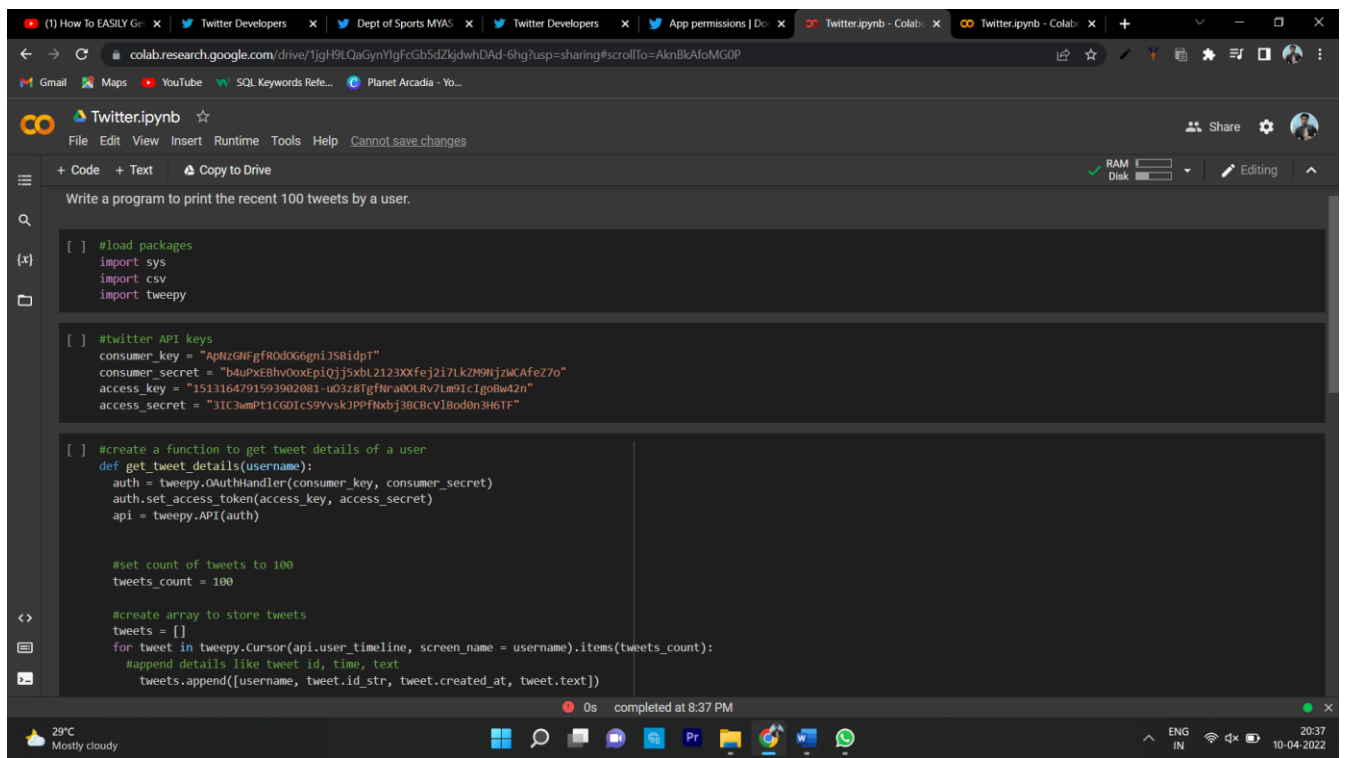
Access Token 1513164791593902081-uO3z8TgfNra0OLRv7Lm9lclgoBw42n

Access Token Secret 3IC3wmPt1CGDIcS9YvskJPPfNxbj3BCBcVIBod0n3H6TF





Program to Print the recent 100 tweets by IndianSportsHub



Twitter.ipynb

```
#call function to get 100 tweets by "IndiaSportsHub" twitter account
username = "IndiaSportsHub"
tweets = get_tweet_details(username)

import pandas as pd
df = pd.DataFrame(tweets)

df
```

	0	1	2	3
0	IndiaSports	1465615116083208196	2021-11-30 09:34:08	RT @indiasquash: 20th Asian Team Championship ...
1	IndiaSports	146561481826660864	2021-11-30 09:32:57	RT @SAI_Gandhinagar: A good coach can change a...
2	IndiaSports	1465611940063891462	2021-11-30 09:21:30	RT @BAI_Media: This one looks familiar, doesn't...
3	IndiaSports	1465611886162952195	2021-11-30 09:21:18	RT @BAI_Media: Women's singles draw for #World...
4	IndiaSports	1465611754642149378	2021-11-30 09:20:46	RT @BAI_Media: Women's doubles draw for #World...
...
95	IndiaSports	1459705573876793346	2021-11-14 02:11:43	RT @rashtrapatibhvn: President Kovind confers ...
96	IndiaSports	145970555886334471	2021-11-14 02:11:39	RT @rashtrapatibhvn: President Kovind confers ...
97	IndiaSports	1459705547578482696	2021-11-14 02:11:37	RT @rashtrapatibhvn: President Kovind confers ...
98	IndiaSports	1459705535406563335	2021-11-14 02:11:34	RT @rashtrapatibhvn: President Kovind confers ...
99	IndiaSports	1459705532722270208	2021-11-14 02:11:33	RT @rashtrapatibhvn: President Kovind confers ...

Twitter.ipynb

```
[ ] 0 IndiaSports 1465615116083208196 2021-11-30 09:34:08 RT @indiasquash: 20th Asian Team Championship ...
1 IndiaSports 146561481826660864 2021-11-30 09:32:57 RT @SAI_Gandhinagar: A good coach can change a...
2 IndiaSports 1465611940063891462 2021-11-30 09:21:30 RT @BAI_Media: This one looks familiar, doesn't...
3 IndiaSports 1465611886162952195 2021-11-30 09:21:18 RT @BAI_Media: Women's singles draw for #World...
4 IndiaSports 1465611754642149378 2021-11-30 09:20:46 RT @BAI_Media: Women's doubles draw for #World...
...
95 IndiaSports 1459705573876793346 2021-11-14 02:11:43 RT @rashtrapatibhvn: President Kovind confers ...
96 IndiaSports 145970555886334471 2021-11-14 02:11:39 RT @rashtrapatibhvn: President Kovind confers ...
97 IndiaSports 1459705547578482696 2021-11-14 02:11:37 RT @rashtrapatibhvn: President Kovind confers ...
98 IndiaSports 1459705535406563335 2021-11-14 02:11:34 RT @rashtrapatibhvn: President Kovind confers ...
99 IndiaSports 1459705532722270208 2021-11-14 02:11:33 RT @rashtrapatibhvn: President Kovind confers ...

100 rows x 4 columns

[ ] #Export data in csv
df.to_csv('tweets.csv')
```

CODE:

```

#load packages
import sys
import csv
import tweepy
consumer_key = "ApNzGNFgfROdOG6gniJSBidpT"
consumer_secret = "b4uPxEBhvOoxEpiQjj5xbL2123XXfej2i7LkZM9NjzWCAfeZ7o"
access_key = "1513164791593902081-uO3z8TgfNra0OLRv7Lm9IcIgoBw42n"
access_secret = "3IC3wmPt1CGDIcS9YvskJPPfNxbj3BCBcVlBod0n3H6TF"
def get_tweet_details(username):
    auth = tweepy.OAuthHandler(consumer_key, consumer_secret)
    auth.set_access_token(access_key, access_secret)
    api = tweepy.API(auth)

    #set count of tweets to 100
    tweets_count = 100

    #create array to store tweets
    tweets = []
    for tweet in tweepy.Cursor(api.user_timeline, screen_name = username)
.items(tweets_count):
        #append details like tweet id, time, text
        tweets.append([username, tweet.id_str, tweet.created_at, tweet.te
xt])

    return tweets
username = "IndiaSports"
tweets = get_tweet_details(username)
import pandas as pd
df = pd.DataFrame(tweets)
df
df.to_csv('tweets.csv')

```

Program for Quote Tweets

```

import requests
import os
import json

```


To set your environment variables in your terminal run the following line:

```
# export 'BEARER_TOKEN'='<
```

```
AAAAAAAAAAAAAAAAAAAAALVgbQEAAAAAJSESSdd2qPQbHID68atNNDIk42E%3DNVfi  
QiOfdKWriYLhWzEtRQfhuBphRMI7lgRFnTLYP5rTKrEP7>'
```

```
def auth():
```

```
    return os.environ.get("BEARER_TOKEN")
```

```
def create_url():
```

```
    # Replace with Tweet ID below
```

```
    tweet_id = 20
```

```
    return "https://api.twitter.com/2/tweets/{}/quote_tweets".format(tweet_id)
```

```
def get_params():
```

```
    # Tweet fields are adjustable.
```

```
    # Options include:
```

```
    # attachments, author_id, context_annotations,
```

```
    # conversation_id, created_at, entities, geo, id,
```

```
    # in_reply_to_user_id, lang, non_public_metrics, organic_metrics,
```

```
    # possibly_sensitive, promoted_metrics, public_metrics, referenced_tweets,
```

```
    # source, text, and withheld
```

```
    return {"tweet.fields": "created_at"}
```

```
def create_headers(bearer_token):
```

```
    headers = {"Authorization": "Bearer {}".format(bearer_token)}
```

```
    return headers
```

```
def connect_to_endpoint(url, headers, params):
```

```
    response = requests.request("GET", url, headers=headers, params=params)
```

```
    print(response.status_code)
```

```
    if response.status_code != 200:
```

```
        raise Exception(
```

```

        "Request returned an error: {} {}".format(
            response.status_code, response.text
        )
    )
    return response.json()

def main():
    bearer_token = auth()
    url = create_url()
    headers = create_headers(bearer_token)
    params = get_params()
    json_response = connect_to_endpoint(url, headers, params)
    print(json.dumps(json_response, indent=4, sort_keys=True))

if __name__ == "__main__":
    main()

```

Program for managing tweet like

```

from requests_oauthlib import OAuth1Session

import os

import json

# In your terminal please set your environment variables by running the following lines of code.

# export 'CONSUMER_KEY'='<1513164791593902081-
uO3z8TgfNra0OLRv7Lm9lclgoBw42n >'

# export 'CONSUMER_SECRET'='<3lC3wmPt1CGDIcS9YvskJPPfNxbj3BCBcVlBod0n3H6TF >'

consumer_key = os.environ.get("1513164791593902081-
uO3z8TgfNra0OLRv7Lm9lclgoBw42n ")

consumer_secret = os.environ.get("3lC3wmPt1CGDIcS9YvskJPPfNxbj3BCBcVlBod0n3H6TF
")

# Be sure to replace your-user-id with your own user ID or one of an authenticating user

```

```

# You can find a user ID by using the user lookup endpoint

id = "your-user-id"

# You can replace Tweet ID given with the Tweet ID you wish to like.

# You can find a Tweet ID by using the Tweet lookup endpoint

payload = {"tweet_id": "1354143047324299264"}


# Get request token

request_token_url = "https://api.twitter.com/oauth/request_token"

oauth = OAuth1Session(consumer_key, client_secret=consumer_secret)

try:

    fetch_response = oauth.fetch_request_token(request_token_url)

except ValueError:

    print(

        "There may have been an issue with the consumer_key or consumer_secret you entered."

    )

resource_owner_key = fetch_response.get("oauth_token")

resource_owner_secret = fetch_response.get("oauth_token_secret")

print("Got OAuth token: %s" % resource_owner_key)

# Get authorization

base_authorization_url = "https://api.twitter.com/oauth/authorize"

authorization_url = oauth.authorization_url(base_authorization_url)

print("Please go here and authorize: %s" % authorization_url)

verifier = input("Paste the PIN here: ")

# Get the access token

access_token_url = "https://api.twitter.com/oauth/access_token"

oauth = OAuth1Session(

    consumer_key,

    client_secret=consumer_secret,

    resource_owner_key=resource_owner_key,

```

```

    resource_owner_secret=resource_owner_secret,
    verifier=verifier,
)

oauth_tokens = oauth.fetch_access_token(access_token_url)

access_token = oauth_tokens["oauth_token"]
access_token_secret = oauth_tokens["oauth_token_secret"]

# Make the request
oauth = OAuth1Session(
    consumer_key,
    client_secret=consumer_secret,
    resource_owner_key=access_token,
    resource_owner_secret=access_token_secret,
)

# Making the request
response = oauth.post(
    "https://api.twitter.com/2/users/{}/likes".format(id), json=payload
)

if response.status_code != 200:
    raise Exception(
        "Request returned an error: {} {}".format(response.status_code, response.text)
    )

print("Response code: {}".format(response.status_code))

# Saving the response as JSON

```

```
json_response = response.json()  
print(json.dumps(json_response, indent=4, sort_keys=True))
```
