

IMPORTANT



WHEN YOU GET THIS POP, CLICK ALLOW ACCESS

PYTHON INSTALLTION + API INSTALLATION

- 1) Python Installation : <https://youtu.be/JgKYkQoCmVA>
- 2) Idea IntelliJ Installation: <https://youtu.be/gWalDLHCpXE>
- 3) API Installation (Based on your broker)
 - a) Zerodha: <https://youtu.be/iTQ2z3jVixk>
 - b) Fyers: <https://www.youtube.com/watch?v=rlm3tCOuHP0>
 - c) Shoonya Finvasia: <https://youtu.be/45tFM47tcXo>
 - d) Angel One: <https://www.youtube.com/watch?v=px-fBdkmxN0>
 - e) Nuvama: <https://youtu.be/HagJliexirs>
 - f) Kotak: <https://youtu.be/cSZtUQFgG-Y>
 - g) ICICIDirect: <https://www.youtube.com/watch?v=xibsi4wEYxl>
 - h) Upstox: <https://www.youtube.com/watch?v=SGtcZgpu3tc>

i) Aliceblue: <https://www.youtube.com/watch?v=-5j4aotcWvI>

CREATING APIS

a) Zerodha: <https://www.youtube.com/watch?v=vIVETGQ6Mjk>

b) Fyers: https://www.youtube.com/watch?v=OYdzKquo2_I

c) Shoonya: <https://www.youtube.com/watch?v=2wi0qhDLFuY>

d) Angel One: <https://www.youtube.com/watch?v=WwrMvL-a1tY>

e) Nuvama: <https://www.youtube.com/watch?v=7CNMFCsdlk4>

f) ICICIDirect: <https://www.youtube.com/watch?v=GYukrCaJhzA>

g) Upstox: <https://www.youtube.com/watch?v=pr9ebWylA7U>

h) Aliceblue: <https://www.youtube.com/watch?v=FYNhZoAhVZo>


i) Kotak Neo: <https://youtu.be/IUjyvb8ifcU>

j) Paytm: <https://www.youtube.com/watch?v=8eAAfD-rFww>

LOGIN

Zerodha Access Token

- 1) Login to Zerodha on Chrome
- 2) Get api key and secret key from <https://developers.kite.trade/apps>



aseemzerodha
Kite connect + Publisher (Created on 27 jul 2018)

Cancelled

App details

App name:

App icon:

Choose File No file chosen

64x64 px PNG images only

Redirect URL:

The url to which a user will be redirected after the login flow for Kite Connect. This has to be an HTTPS url. You can use a http://127.0.0.1 URL for testing. For Publisher, the redirect url does not matter until you want to do advanced offsite hacker evasion

Renew app

API key

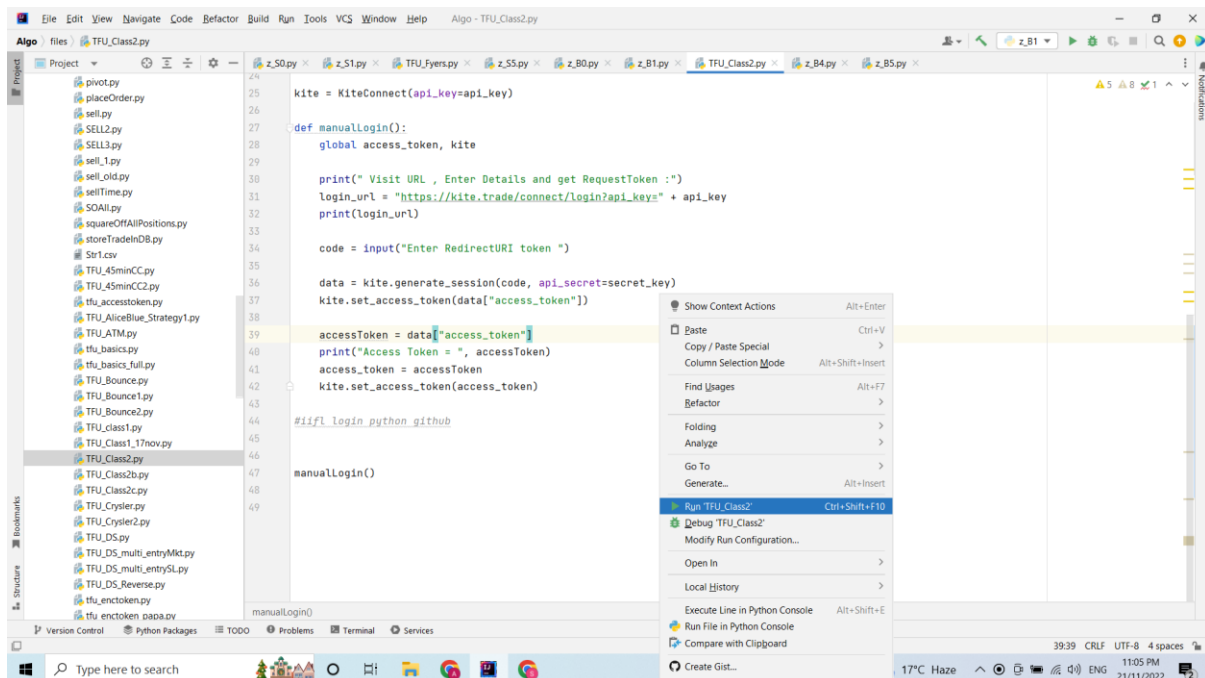
5h0ngkzhkpptsxcd

API secret

knmddzis0g51rqu72wznc0d3t9i4q4qu

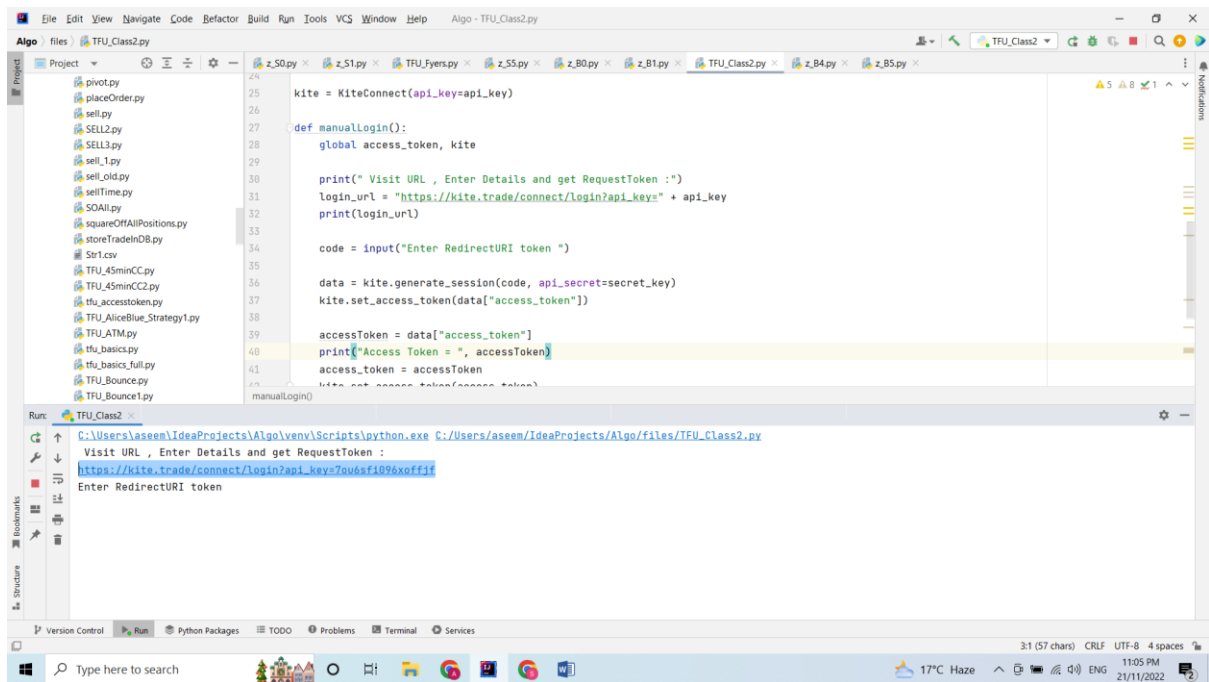
Re-generate API secret

- 3) Add your api details (api key and secret key) to the python file and then run

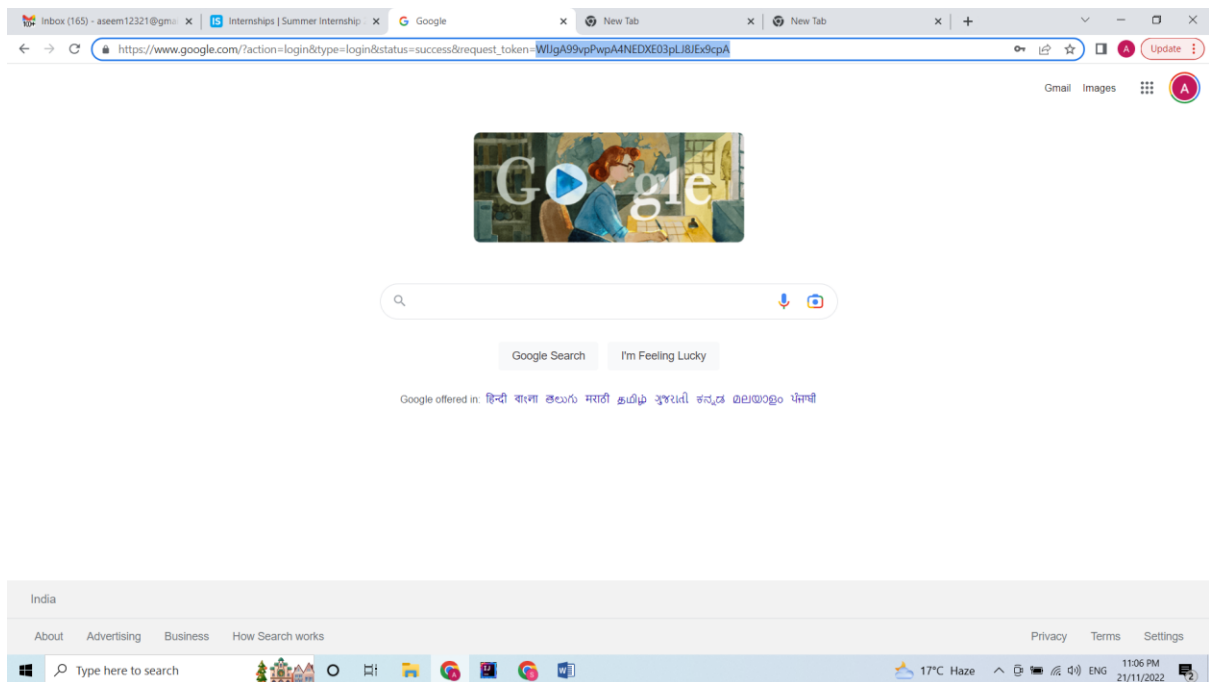


```
24 kite = KiteConnect(api_key=api_key)
25
26
27 def manualLogin():
28     global access_token, kite
29
30     print(" Visit URL , Enter Details and get RequestToken :")
31     login_url = "https://kite.trade/connect/login?api_key=" + api_key
32     print(login_url)
33
34     code = input("Enter RedirectURI token ")
35
36     data = kite.generate_session(code, api_secret=secret_key)
37     kite.set_access_token(data["access_token"])
38
39     accessToken = data["access_token"]
40     print("Access Token = ", accessToken)
41     access_token = accessToken
42     kite.set_access_token(access_token)
43
44     #if login python github
45
46
47 manualLogin()
48
49
```

- 4) Copy the link from the terminal and paste it on Chrome and then press enter.



5) Then you will get this kind of URL. Copy request_token:



6) Paste the request token in the terminal:


```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Algo - TFU_Class2.py
Project files TFU_Class2.py
pivot.py
placeOrder.py
sell.py
SELL2.py
SELL3.py
sell_1.py
sell_old.py
sellTime.py
SOAll.py
squareOffAllPositions.py
storeTradeInDB.py
Str1.csv
TFU_45minCC.py
TFU_45minCC2.py
tfu_accessToken.py
TFU_AliceBlue_Strategy1.py
TFU_ATM.py
tfu_basics.py
tfu_basics_full.py
TFU_Bounce.py
TFU_Bounce1.py
24 kite = KiteConnect(api_key=api_key)
25
26
27 def manualLogin():
28     global access_token, kite
29
30     print(" Visit URL , Enter Details and get RequestToken :")
31     login_url = "https://kite.trade/connect/login?api_key=" + api_key
32     print(login_url)
33
34     code = input("Enter RedirectURI token ")
35
36     data = kite.generate_session(code, api_secret=secret_key)
37     kite.set_access_token(data["access_token"])
38
39     accessToken = data["access_token"]
40     print("Access Token = ", accessToken)
41     access_token = accessToken
42     kite.set_access_token(accessToken)
43
44 manualLogin()
Run: TFU_Class2
C:\Users\aseem\IdeaProjects\Algo\venv\Scripts\python.exe C:/Users/aseem/IdeaProjects/Algo/files/TFU_Class2.py
Visit URL , Enter Details and get RequestToken :
https://kite.trade/connect/login?api_key=7ou6sf108xoffif
Enter RedirectURI token WJgA99vpPwpA4NEDXE03pLJ8JEx9cpA
457 CRLF UTF-8 4 spaces
17°C Haze 11:07 PM 21/11/2022
```

7) Press enter. Then you will get the ACCESS TOKEN

```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Algo - TFU_Class2.py
Project files TFU_Class2.py
pivot.py
placeOrder.py
sell.py
SELL2.py
SELL3.py
sell_1.py
sell_old.py
sellTime.py
SOAll.py
squareOffAllPositions.py
storeTradeInDB.py
Str1.csv
TFU_45minCC.py
TFU_45minCC2.py
tfu_accessToken.py
TFU_AliceBlue_Strategy1.py
TFU_ATM.py
tfu_basics.py
tfu_basics_full.py
TFU_Bounce.py
TFU_Bounce1.py
24 kite = KiteConnect(api_key=api_key)
25
26
27 def manualLogin():
28     global access_token, kite
29
30     print(" Visit URL , Enter Details and get RequestToken :")
31     login_url = "https://kite.trade/connect/login?api_key=" + api_key
32     print(login_url)
33
34     code = input("Enter RedirectURI token ")
35
36     data = kite.generate_session(code, api_secret=secret_key)
37     kite.set_access_token(data["access_token"])
38
39     accessToken = data["access_token"]
40     print("Access Token = ", accessToken)
41     access_token = accessToken
42     kite.set_access_token(accessToken)
43
44 manualLogin()
Run: TFU_Class2
C:\Users\aseem\IdeaProjects\Algo\venv\Scripts\python.exe C:/Users/aseem/IdeaProjects/Algo/files/TFU_Class2.py
Visit URL , Enter Details and get RequestToken :
https://kite.trade/connect/login?api_key=7ou6sf108xoffif
Enter RedirectURI token WJgA99vpPwpA4NEDXE03pLJ8JEx9cpA
Access Token = 1K1PwMULnSj4QjsH0tysQLRkzUqcC3S
Process finished with exit code 0
5:49 (32 chars) CRLF UTF-8 4 spaces
17°C Haze 11:07 PM 21/11/2022
```

Fyers Access Token

- 1) Login to Fyers
- 2) Get appid, secret ID and URL from <https://myapi.fyers.in/dashboard>

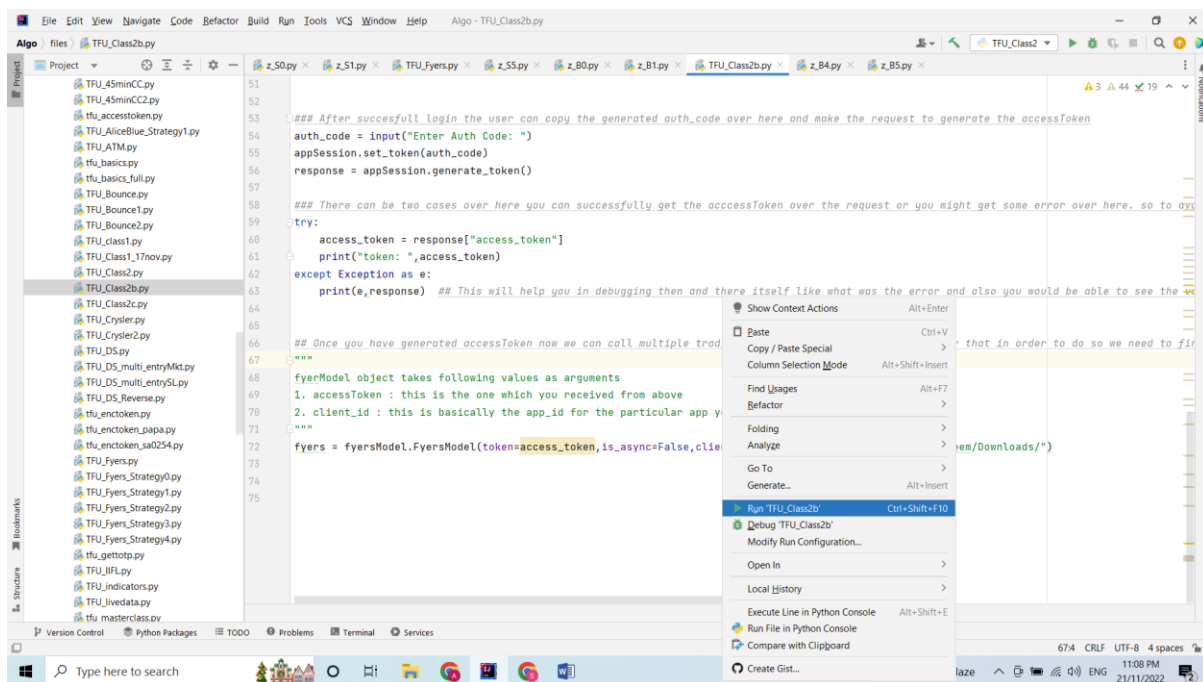


14aug Inactive
14aug
Created : 📅 15 Aug 2023
Updated : 📅 15 Aug 2023
[Visit 14aug](#)

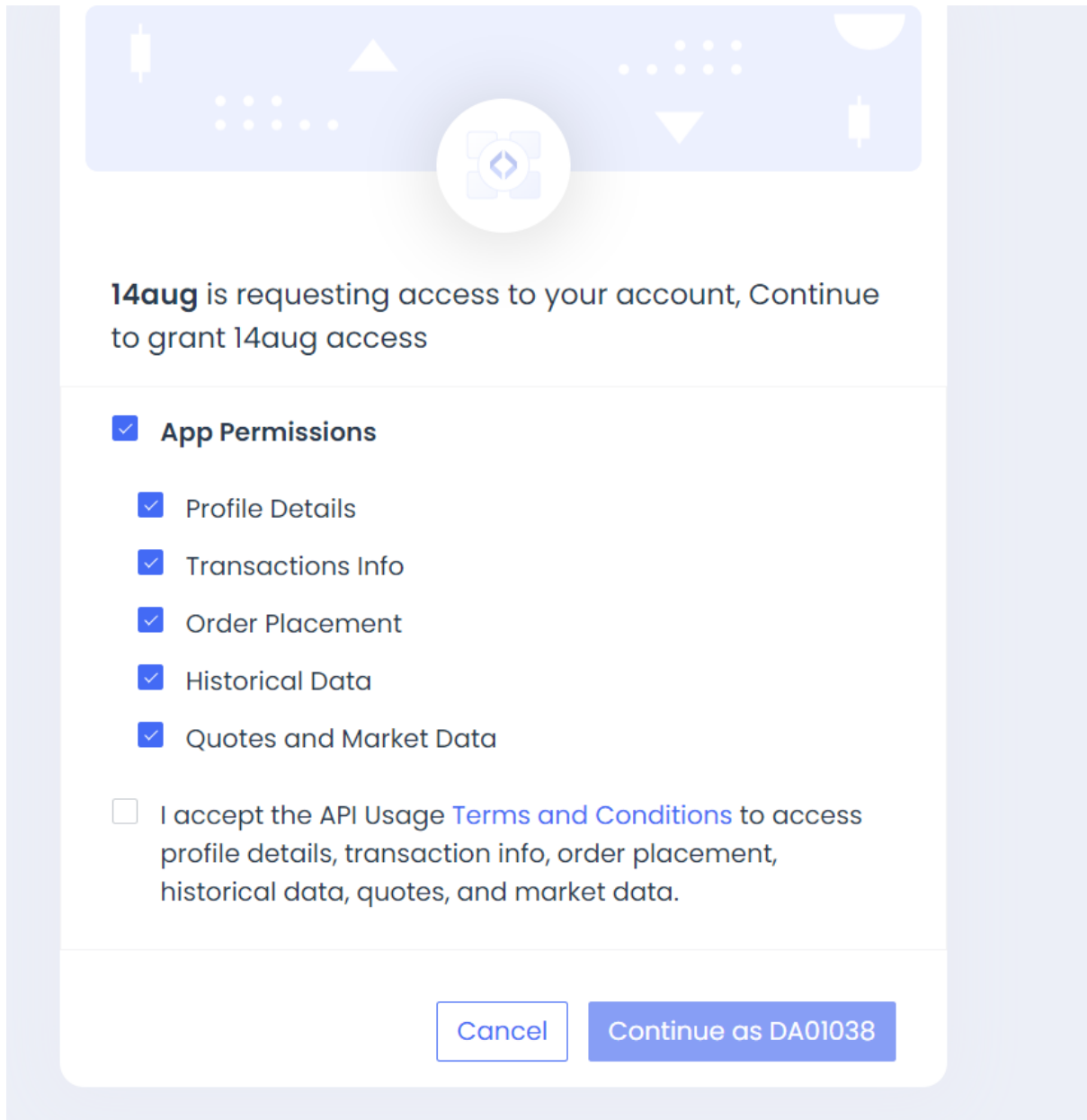
App type: User App	Webhook count: 0	App ID: 5HMX4OKTOS-100
Secret ID: MIGZPDWZD7	Permissions: Profile Details, Transaction Info, Order Placement, Historical Data, Quotes & Market data	

- 3) Paste appid, secret id and url in python code and Run the file

```
"""  
1. Input parameters  
"""  
redirect_uri= "https://www.google.com" ## r  
client_id = "5HMX4OKTOS-100"  
secret_key = "MIGZPDWZD7"  
grant_type = "authorization_code"  
response_type = "code"  
state = "sample"
```



- 4) Automatically page will open. If you are running for first time (INACTIVE API), then below page will come. Click I ACCEPT. And then click CONTINUE.

The image shows a web-based authorization interface for the 14aug API. At the top, there is a light blue header bar with a central circular icon containing a stylized '14' and a diamond shape. Below the header, the text '14aug is requesting access to your account, Continue to grant 14aug access' is displayed. Underneath, there is a section titled 'App Permissions' with a checked checkbox. This section lists five permissions, each with a checked checkbox: 'Profile Details', 'Transactions Info', 'Order Placement', 'Historical Data', and 'Quotes and Market Data'. Below the permissions list, there is an unchecked checkbox followed by the text 'I accept the API Usage Terms and Conditions to access profile details, transaction info, order placement, historical data, quotes, and market data.' At the bottom of the form, there are two buttons: a 'Cancel' button and a 'Continue as DA01038' button.

14aug is requesting access to your account, Continue to grant 14aug access

☒ **App Permissions**

- ☒ Profile Details
- ☒ Transactions Info
- ☒ Order Placement
- ☒ Historical Data
- ☒ Quotes and Market Data

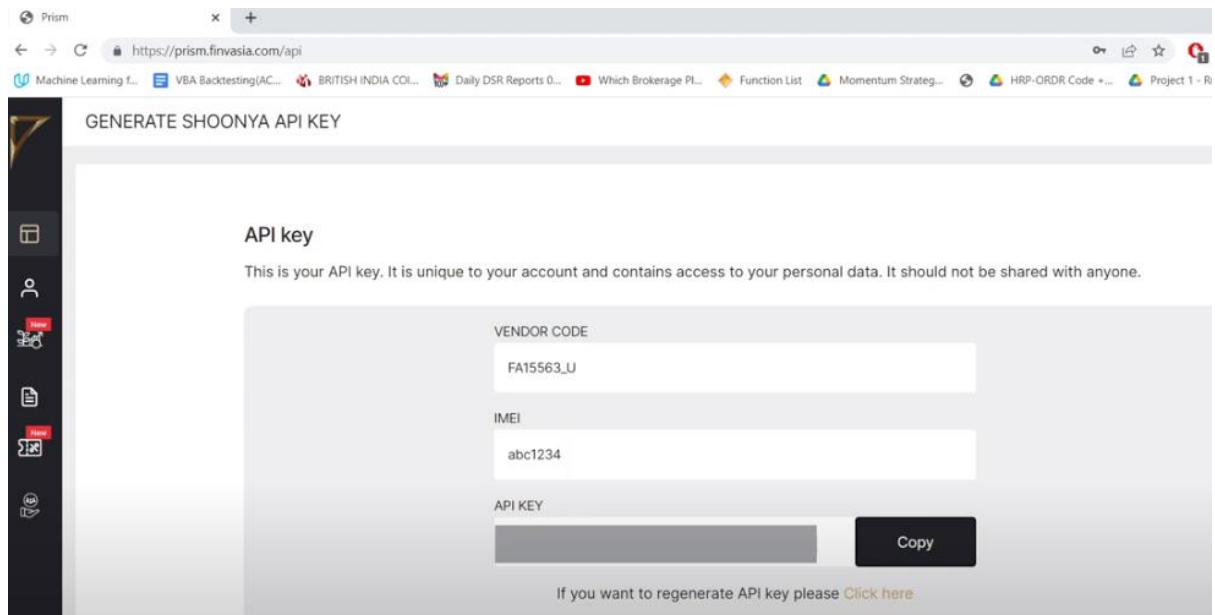
☐ I accept the API Usage [Terms and Conditions](#) to access profile details, transaction info, order placement, historical data, quotes, and market data.

Cancel Continue as DA01038

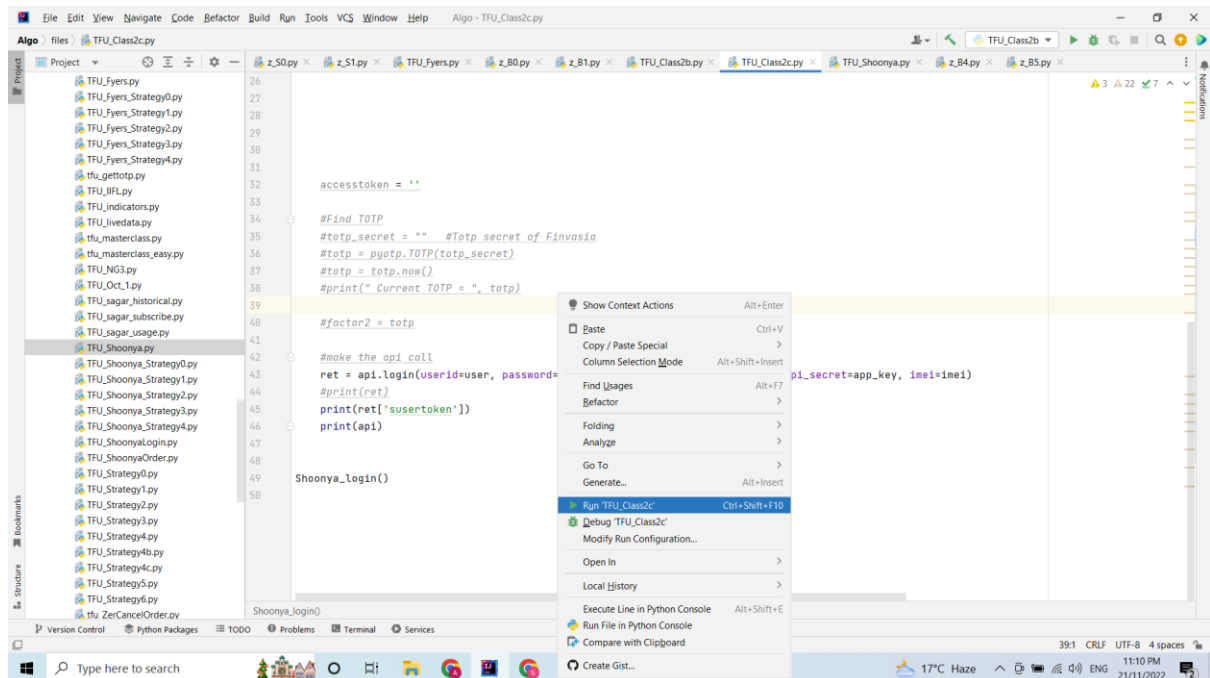
- 5) Copy the authcode. Make sure you don't copy anything which is after "&"

Shoonya Access Token

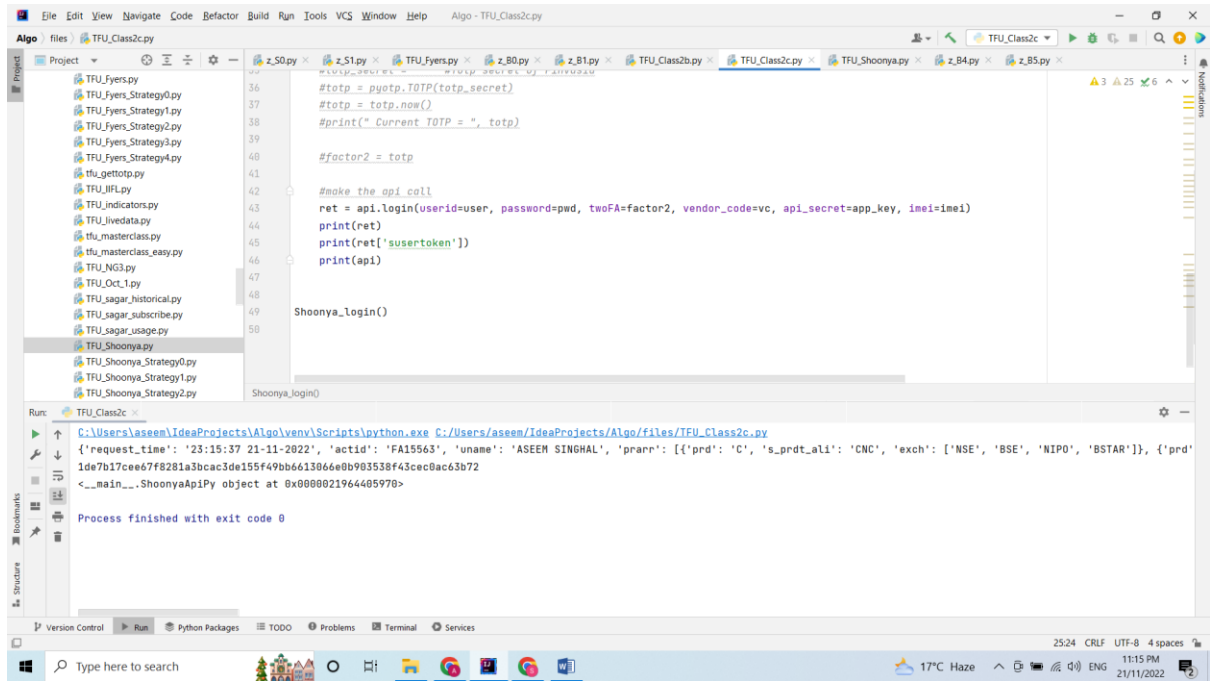
1) Get api details from Prism



- 2) Run the code after adding api details. Make sure that you are adding the latest OTP (6 digit) from the Google Authenticator App.

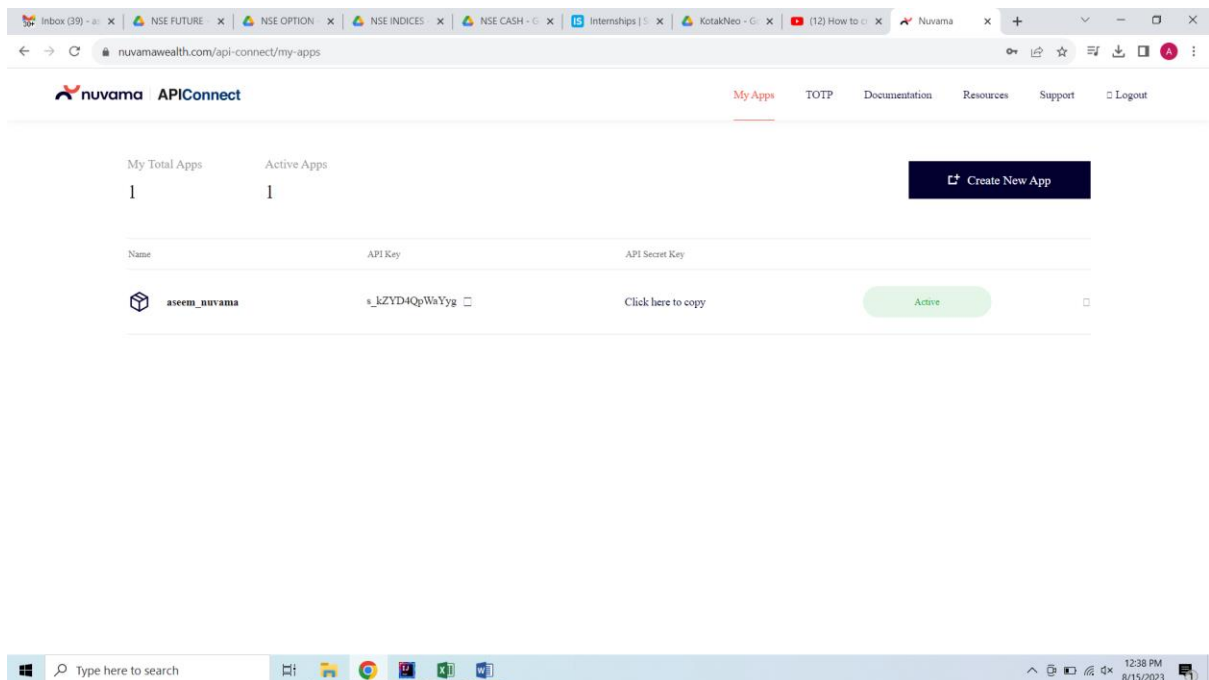


3) Done

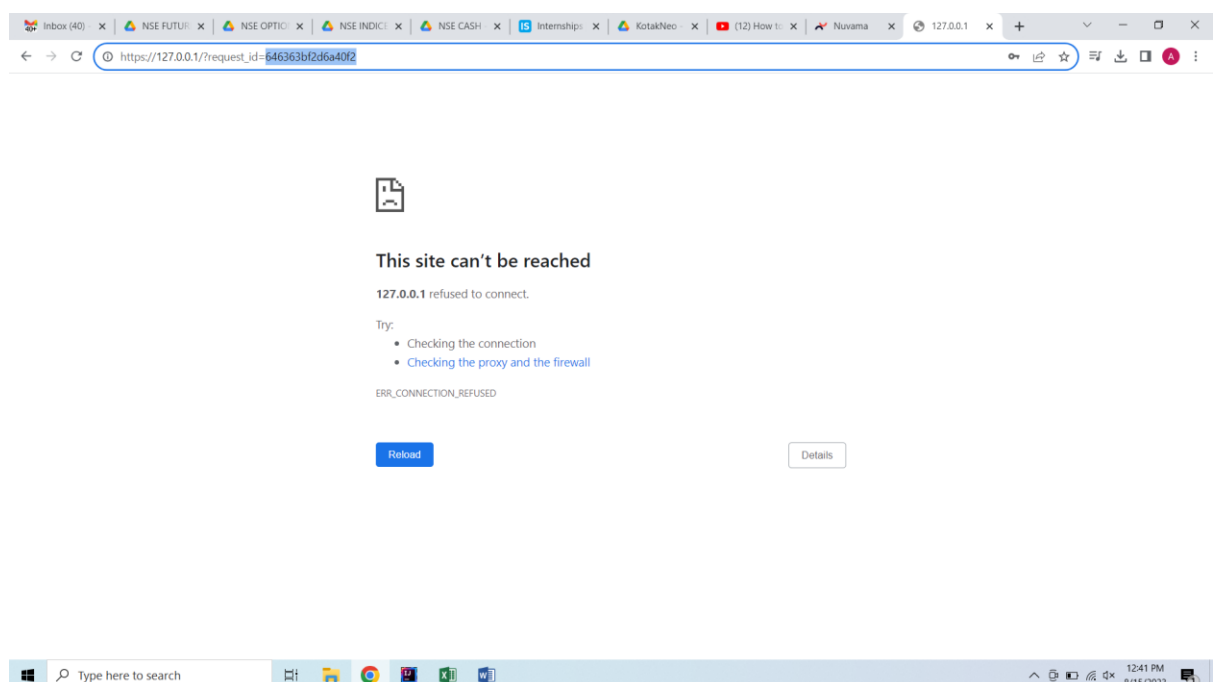


Nuvama Login Process

- 1) Login to Nuvama broker
- 2) Then go to <https://nuvamawealth.com/api-connect/my-apps> and find apikey and secret key



- 3) Copy apikey and secret key in nuvama_login python file.
- 4) Then open chrome and go to link https://nuvamawealth.com/api-connect/login?api_key=XXXXXXXXXX
- 5) In above link, add your own apikey instead of XXXX. So example:
https://nuvamawealth.com/api-connect/login?api_key=s_kZYD4QpWaYyg
- 6) Do login on this link and at the end you will get the URL with the requestID



- 7) Copy the requestID and paste it in nuvama_login.py python file.
- 8) Run the python file.
- 9) Done

AngelOne Login and Access Token

- 1) Login to Angelone broker
- 2) When you are making the API, make sure you make both TRADING API and MARKET FEED API. Also add HISTORICAL DATA API.

Pricing Model

Trading APIs **FREE**

Publisher APIs **FREE**

Historical Data APIs **FREE**

Market Feeds APIs **FREE**

API Type
Trading APIs

App Name
Test123

Redirect URL
https://google.com

Post back URL (Optional)
https://www.mynewapp.com

Angel Client ID (Optional)

- 3) Find the apikey of MARKET for getting market data.

My Smart APIs & Apps

APP NAME	API TYPE	API KEY	SECRET KEY	STATUS
DevendraJoagMarketFeed	Market	ZHDHbuei	436b811f-7650-4ce0-9242-f8bf12933056	Active

- 4) Copy apikey, username, password in python file.
- 5) Find the OTP Token (This is NOT 6 digit OTP. It is a Alphabet QR Code like this SIUISUISUSIU) and paste it in python file.

```

"""
1. Input parameters
"""

api_key= 'ZhsakjDkj'
username = 'username'
password = 'password'
otp_token = 'AKJSDKJKSDJKSJDKJSKJDKSJDKS'
totp=pyotp.TOTP(otp_token).now()

obj=SmartConnect(api_key=api_key)
master=obj
print(master)
session=obj.generateSession(username,password,totp)
print(session)

if session['message'] == 'SUCCESS':
    refreshToken= session['data']['refreshToken']

```

- 6) Run python file
- 7) Done.

Upstox Login and Access Token

- 1) Go to <https://account.upstox.com/developer/apps>
- 2) Do login
- 3) Create new app
- 4) Add appname = upstoxApp, redirect url = <https://www.google.com> . Keep postback url and description empty.

Create new app

Fill the details below to generate API Key and API Secret for your ap

App Name

test

4/20 characters

Redirect URL







<https://www.google.com>

Postback URL(optional)

<https://>

Description (optional)

- 5) Copy API key and API secret

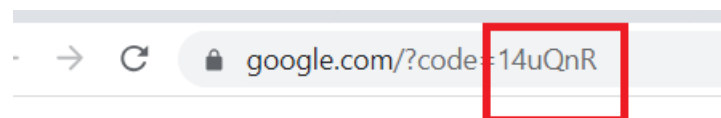
API Key a2f74480-1816-4415-8892-50fee6761404		API Secret *****	  
 Delete app		 Edit	

- 6) In login.py file, put client_id as the api key. Client_secret as API secret and redirect_url as <https://www.google.com>

```
client_id = "a2f74480-1816-4415-8892-50fee6761404"
client_secret = "boodtbilpa"

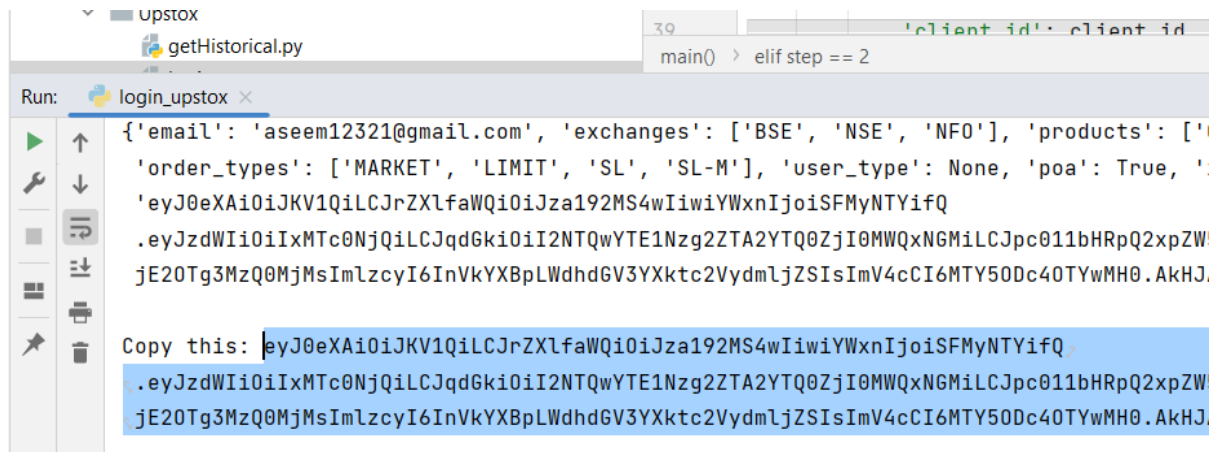
redirect_uri = 'https://www.google.com' # str |
api_version = '2.0' # str | API Version Header
grant_type = 'authorization_code'
parse_url = urllib.parse.quote(redirect_uri, safe="")
```

- 7) Run file. There will be a link in the terminal. Click that link and login to that link. After login see the url. Copy the code from the url



- 8) Paste the code at the terminal.

- 9) Run the code and get the access token



ICICI Login and Access Token

- 1) Put api key, secret key and session key in all the files
- 2) Get session key from : <https://www.icicidirect.com/futures-and-options/api/breeze/article/what-is-a-session-key-and-how-to-generate-it-for-using-breezeapi>

```
6 import calendar
7
8 api_key = ""
9 secret_key = ""
10 session_key = "19062251" #https://api.icicidirect.com/apiuser/tradelogin
11 ltp_dict = {}
12 optInstrList = []
```

- 3) Run python file

Kotak Neo Access Token – NOT BEING USED

- 1) Get the api details from here Kotak Neo website.
- 2) Make sure that your access token is valid. Sometimes the access token gets expired by Kotak. So you will have to Generate Access Token again.
- 3) Add consumerkey, consumer_secret, mobile number (+919999988888) and password in python file. Then run the file.

```
import http.client
import requests
import os
from flask import Flask, request
import threading

instr_dir = "kotak_instrs"

consumer_key = "_wbaLgEBjta6mLWbVUxL8b41DpUa"
consumer_secret = "eVm7bEKTeyfAurUgHME9Ki50cVIa"
mobilenumber = "+919996026010"
loginpassword = "Abhinaw@1"

# will be generated once you run the script, then enter the new OTP
otp = ""
```

- 4) You will get OTP (4 digit). Put that otp in the terminal (below) and press enter.
- 5) You will have to do this process for all the files that you run (subscribe as well as strategy files)