



Telegram Messenger

Fast. Secure. Powerful.

★★★★★ 6.7K

Telegram FZ-LLC

Open



Instagram

Videos, creators & friends

★★★★★ 406K

Instagram, Inc.

Open

No. 3 Photo & Video



WhatsApp Messenger

Simple. Reliable. Private.

★★★★★ 401K

WhatsApp Inc.

Open

No. 5 Social



YouTube

Videos, Music and Live Streams

★★★★★ 647K

Google

Open

No. 12 Photo & Video



TikTok-Global Video Community

Short-Form Video Platform

★★★★★ 118K

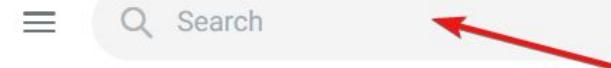
TikTok Ltd.

Get

In-App Purchases

No. 1 Entertainment

1. Create an account in telegram.
2. On your mobile phone, go to
 - a. Playstore for Android, or
 - b. Appstore for iPhone
 - c. Download and install the app



Archived Chats
Deleted Account

Smojo.AI Discussion Group 14:33
General D Developer Apprenticeshi...
Adc: Hi, I'm having trouble in publi...

User Info • Get ID 12:39
@flcchrap Id: 5415430892 First: Franc...

BotFather 12:37
Done! Congratulations on your... **Open**

pico_api Sat
Temp=31_deg_C_and_humidity=70_%

Farrel Mohammad Thu
yes it does, i think it was called "base..."

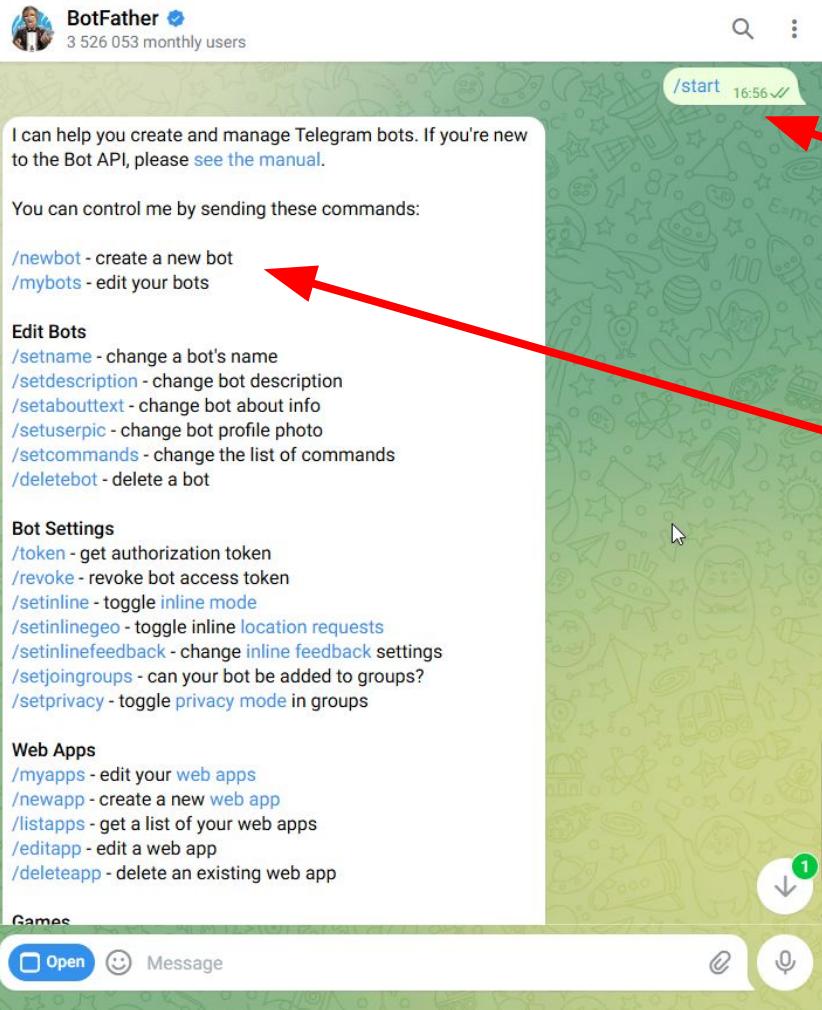
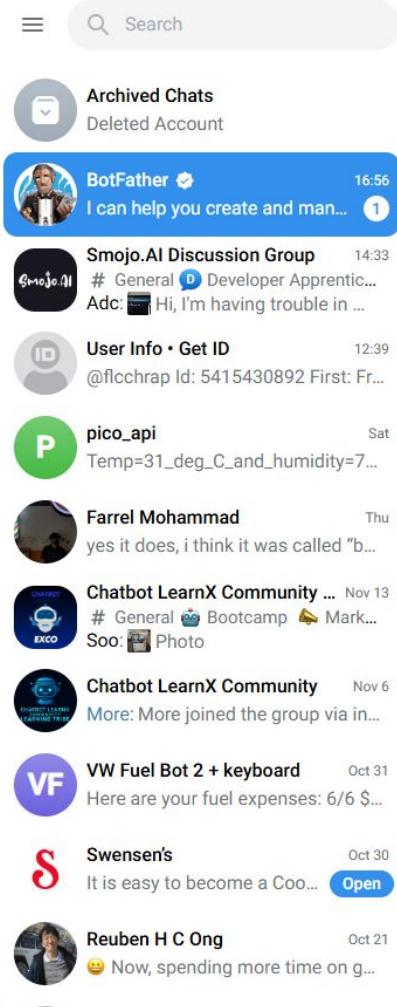
3. On the web browser or the app in your mobile phone, go to the search field.

A screenshot of the Telegram search interface on a web browser. The search bar at the top contains the text "botfather". Below the search bar, there are tabs for "Chats", "Channels", "Apps", "Posts", and "Med". A red arrow points from the text "4. Search ‘botfather’" to the search bar. The main area shows a list of search results under "Chats and Contacts". The first result is "BotFather" with a blue verified checkmark icon, followed by the number "3 526 053 monthly users" and a blue "Open" button. A red arrow points from the text "5. Select the correct ‘botfather’ that looks like this." to the "BotFather" entry. Below this, there is a "Global Search" section with a "Show More" link, and a list of additional "BotFather" entries with various profile icons and names.

- BotFather (verified) - 3 526 053 monthly users (Open)
- Inside Ads (@InsideAds_bot, 68 461 monthly users) Ad
- 未来科技AI机器人! (@BotFatherqunguan_bot, 28 352 monthly users)
- BotFather (@MurtazaGulBot, bot)
- BotFather (@Fazerr4_bot, bot)
- 人民日报 头条新闻 Google 超级引擎 (@toutiao_BotFather_DubaiBOT, bot)
- BotFather (@botfather_manage_bot, 30 293 monthly users)

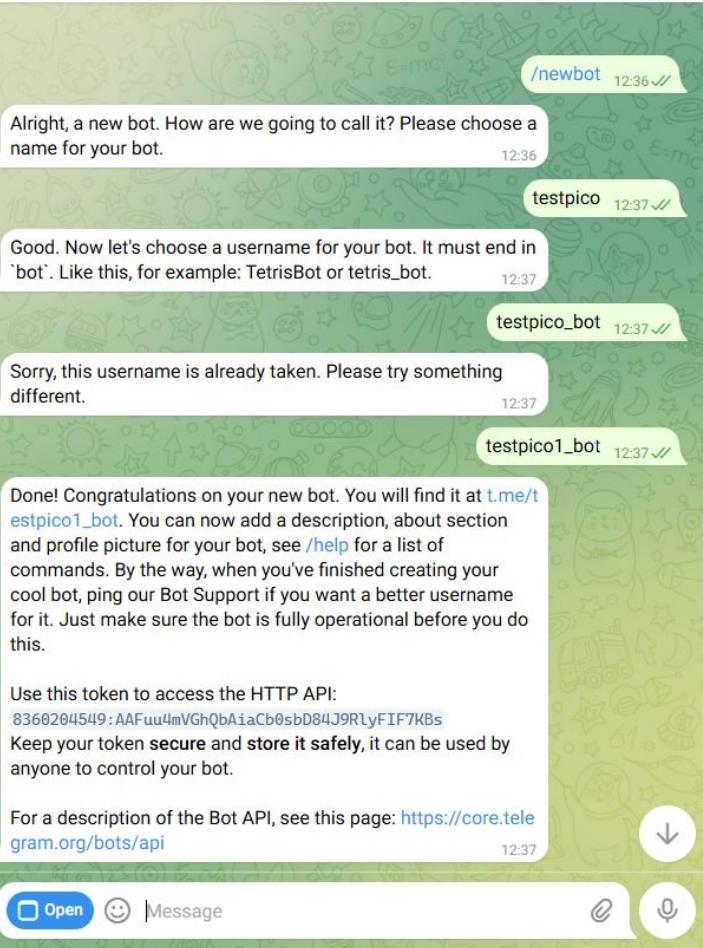
4. Search “botfather”

5. Select the correct “botfather” that looks like this.



6. Key '/start

7. Click '/newbot'



8. Choose a name for your bot. This name will be displayed on top of the chat session.
9. Then, you will be asked to choose a username which must be unique and is not taken by someone yet.
10. You will be given the API token. Copy it for your micropython code in Thonny.

← X

Chats Channels Apps Posts Media Links

User Info • Get ID

Chats and Contacts

User Info • Get ID
312 809 monthly users

Global Search Show More

SDB User Community ✅
@SpringDevBankCommunity, 27 018 members

Telegram Usernames ✅
@username, 1 306 474 subscribers

meteoforno
@UserBot, bot

Username Bot ✅
@username_bot, 17 729 monthly users

Альфа-Форекс (бот) ✅
@alfaforex_user_bot, bot

11. Go to search bar and key in user to search for “User Info Get ID” Bot
12. Click this contact to open chat.



User Info • Get ID

312 809 monthly users

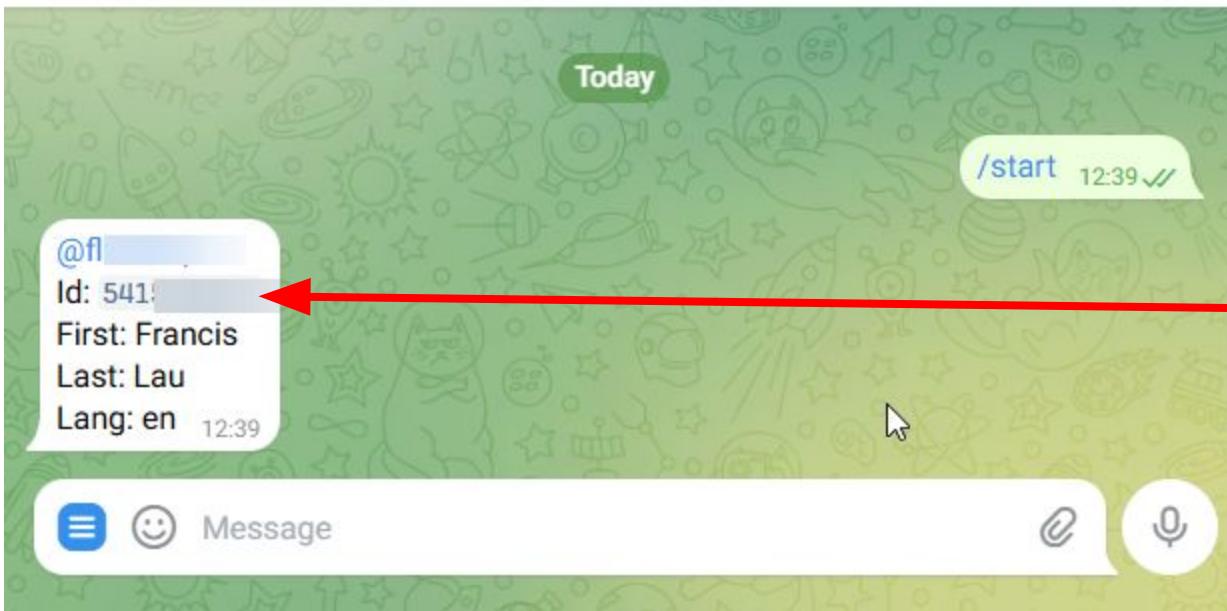


Ad what's this?



0.1能量机器人

0.1TRX免费转U 🌞🔥🔥 源头能量: 抵扣USDT转账的所有TRX手续费,
TRXUSDT转账零手续费, 一年省下一台路虎



13. Key “/start”

14. Your chat ID will be shown. Copy it for the micropython code in Thonny

wificonfig.py *

```
22 # this is Telegram bot token for pico_api_bot
23 api_token='8360204549:AAFuu4mVGHQbAiacb0sbD84J9RlyFIF7KBs'
24 # this is telegram chat_id
25 telegram_chat_id='1234567890'
```

15. In Thonny, assign the API token and chat_ID accordingly.

```
dht11_telegram.py * x
27
28
29
30 print('Connected to : ' ,wlan.ifconfig())
31 print('This Pico Server IP Address : ' ,wlan.ifconfig()[0])
32
33
34 bot_token=wificonfig.api_token
35 chat_id=wificonfig.telegram_chat_id
36
37 #logic / program
38 while True:
39     sensor.measure()
40     temperature = sensor.temperature() #I use my wife's hair dryer to increase the temperature :-
41     humidity = sensor.humidity()
42     print(temperature,humidity)
43
44 if temperature > 30:
45     #this is the messsage we are going to send to our whatsapp number
46     #there should be no spacing in the message. otherwise you get an send request error
47
48     # f-string - use chatGPT to find out about f string if you are unsure what is happening here
49     message=f'Temp={temperature}_deg_C_and_humidity={humidity}_%'
50     #this is the API given to us by
51     url = f'https://api.telegram.org/bot{bot_token}/sendMessage?chat_id={chat_id}&text={message}'
52     response = requests.get(url)
53
54     # check if it was successful
55     if (response.status_code == 200):
56         print('Message Delivered!')
57     else:
58         print('Error')
59         print(response.text)
60
61 sleep(15) #measure temp and humidity every 15 seconds. CallMeBot will protest if we send too many
62
```

url = f'https://api.telegram.org/bot{bot_token}/sendMessage?chat_id={chat_id}&text={message}'

16. In the main python file, you only need to update the changes to the code marked in red.

For your convenience, copy and Paste the url below into your code. If copy-paste does not copy exact characters, then type in the url instead.

17. Everything else coded for Telegram and Whatsapp remains the same.
The chat_ID for Telegram is like the phone number used in whatsapp.

Using Telegram

```
dht11_telegram.py * 
40
30 print('Connected to :',wlan.ifconfig() )
31 print('This Pico Server IP Address :',wlan.ifconfig()[0])
32
33
34 bot_token=wificonfig.api_token
35 chat_id=wificonfig.telegram_chat_id
36
37 #logic / program
38 while True:
39     sensor.measure()
40     temperature = sensor.temperature() #I use my wife's hair dryer to increase the temperature :-)
41     humidity = sensor.humidity()
42     print(temperature,humidity)
43
44 if temperature > 30:
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46     #there should be no spacing in the message. otherwise you get an send request error
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53
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56         print('Message Delivered!')
57     else:
58         print('Error')
59         print(response.text)
60
61 sleep(15) #measure temp and humidity every 15 seconds. CallMeBot will protest if we send too many
62
```

Using Whatsapp

```
...
print('Connected to :',wlan.ifconfig() )
print('This Pico Server IP Address :',wlan.ifconfig()[0])
...
api_key=wificonfig.whatsapp_api_key
phone_number=wificonfig.whatsapp_phone_no

#logic / program
while True:
    sensor.measure()
    temperature = sensor.temperature() #I use my wife's hair dryer to increase the temperature :-)
    humidity = sensor.humidity()
    print(temperature,humidity)

    if temperature > 30:
        #this is the message we are going to send to our whatsapp number
        #there should be no spacing in the message. otherwise you get an send request error

        # f-string - use chatGPT to find out about f string if you are unsure what is happening here
        message=f'Temp={temperature}_deg_C_and_humidity={humidity}_%'
        #this is the API given to us by CallMeBot
        url = f'https://api.callmebot.com/whatsapp.php?phone={phone_number}&text={message}&apikey={api_key}'
        response = urequests.get(url)

        # check if it was successful
        if (response.status_code == 200):
            print('Message Delivered!')
        else:
            print('Error')
            print(response.text)

sleep(15) #measure temp and humidity every 15 seconds. CallMeBot will protest if we send too many messages

```



testpico
bot



Yesterday

Temp=31_deg_C_and_humidity=70_% 18:49



Message



18. The message from the microcontroller will be delivered to you via this bot.

