# Goal

Building a Telegram bot that:

- Receives a link from platforms like X (formerly known as Twitter), Tiktok, and Instagram

- Download the video and sends it back to the user

- Only supports public posts

## Tools needed

- Python  
- yt-dlp

- python-telegram-bot

## Setting up process

### Step 1

Paste the code below in command prompt:

pip install yt-dlp python-telegram-bot

### Step 2

Create telegram Bot:

* Open Telegram
* Search for @BotFather
* Use /newbot and follow instructions
* Save the given API token

### Step 3

Create the bot script:

* Use Vs Code or whichever IDE of your choice

### Step 4

Save the script and then run it using command prompt or whatever terminal of your choice. Run it using this command:

python bot.py

## What Happens?

### Runtime Behaviour

The Bot connects to Telegram using your token

* You’ll see: Bot is running…
* This means that the bot is now “polling”, Check Telegram for new messages from users.
* If the message is /start, the bot replies: Send me a TikTok, Instagram, or Twitter/X video link!
* The User sends a Video Link from the supported platforms. If it is valid, it replies: Downloading… and then delets the local file afterward
* If it fails because of these following reasons:
* Invalid link
* Site changed structure
* Network failure
* Rate limit
* Unsupported private content
* File too large for Telegram (over 50MB for regular bots)

it will reply: Error: [details of what went wrong]