YouTube Video Scraper with Python – Step-by-Step Instructions

# Step 1: Install Python

• Download and install Python from https://www.python.org/downloads/

• During installation, make sure to check the box 'Add Python to PATH'.

• After installation, open Command Prompt and run: python --version

• It should show something like: Python 3.x.x

# Step 2: Install yt\_dlp Library

• Open Command Prompt (Windows + S → type 'cmd' → press Enter)

• Run the following command:

pip install yt-dlp

• If 'pip' is not recognized, try:

python -m pip install yt-dlp

• Once installed, test with:

python -c "import yt\_dlp; print('yt\_dlp installed!')"

# Step 3: Create Python Script

• Open any code editor (like VS Code or Notepad)

• Paste the following code into a new file and save it as youtube\_scraper.py:

# Python Code

import yt\_dlp

video\_url = input("Enter the YouTube video URL: ")

ydl\_opts = {}

with yt\_dlp.YoutubeDL(ydl\_opts) as ydl:

info = ydl.extract\_info(video\_url, download=False)

print("\n🎬 Video Information:")

print("Title :", info.get('title'))

print("Views :", info.get('view\_count'))

print("Duration :", info.get('duration'), "seconds")

print("Description:", info.get('description')[:300], "...")

print("Uploader :", info.get('uploader'))

# Step 4: Run Your Script

• Open Command Prompt and navigate to the folder containing youtube\_scraper.py

• Use this command to run the script:

python youtube\_scraper.py

• When prompted, paste a YouTube video URL and press Enter

• It will print the video title, views, duration, uploader, and description.

# Step 5: Optional – Download the Video

• To download the video, change this line:

info = ydl.extract\_info(video\_url, download=False)

to:

info = ydl.extract\_info(video\_url)

• This will download the video to your current folder.