Instaloader Script Documentation

Overview

This script downloads all posts (images and videos) from a specified public Instagram username.

It creates a folder inside the Downloads directory using the entered username and stores each downloaded post there.

Code Explanation

1. import instaloader

   - Imports the Instaloader library used for downloading Instagram content.

2. from pathlib import Path

   - Imports Path to handle folder paths cleanly.

3. enter_username = input("Enter username: ")

   - Asks the user to type the Instagram username they want to download posts from.

4. DOWNLOAD_DIR = Path("/Users/satyamgajjar/Downloads") / f"{enter_username}"

   - Creates a folder path inside Downloads named after the username.

     Example: /Users/satyamgajjar/Downloads/shrenidubey

5. L = instaloader.Instaloader(download_videos=True)

   - Creates an Instaloader instance.

   - download_videos=True ensures that both images and videos are downloaded.

6. DOWNLOAD_DIR.mkdir(parents=True, exist_ok=True)

- Creates the folder if it doesn't already exist.

7. profile = instaloader.Profile.from_username(L.context, enter_username)

   - Fetches the Instagram profile data for the entered username.

8. print(...)

   - Prints the profile username, number of posts, and whether the profile is private.

9. for post in profile.get_posts():

     L.download_post(post, target=str(DOWNLOAD_DIR))

   - Loops through every post in the profile.

   - Downloads each post (image or video) into the target folder.

   - target=str(DOWNLOAD_DIR) converts the folder path to a string for saving files.

Usage

1. Run the script.

2. Enter the Instagram username when prompted.

3. The script creates a folder inside Downloads and saves all posts there.

Notes

- Works only for public profiles or private profiles that your Instagram account has access to.

- Instaloader may create metadata files (.json) along with the media.

Author

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