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Python Project Assignment #2 – Part 1:

Pafy Library

**Central Purpose:**

Pafy is a Python package or Python library that is used to download YouTube content as well as retrieving metadata from the streaming website. The library provides functions that allow you to download video and audio specifically targeting what quality is available at the time. Certain metadata factors include view-count, likes, dislikes (option no longer available), ratings, author and description information.

**Use-Cases:**

One interesting scenario as to how this library/package can be useful could be for content creators. Content creators can be able to access all their own metadata much more quickly with a python script/code ready to go. This would be more beneficial than having to go to the specific video and looking for information. Another scenario that comes to mind could be lawyers that are looking to file copyright infringements based on video and audio content. This library’s feature of being able to download content such as video and audio gives the user access to the content very quickly and also the original uploaded files.

**Functions:**

Pafy.author: The author of the video(str)

Pafy.category: The category of the video(str)

Pafy.description: The video description text(str)

Pafy.viewcount: The viewcount of the video(int)

Pafy.length: The duration of the streams in seconds(int)

Pafy.likes: The number of likes received for the video(int)

Pafy.published: The upload date of the video(e.g. 2021-12-04 18:02:25)(str)