Python Code Snippets

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Converting a Movie File to a gif

- The below code will convert a movie file into a gif.
- The accepted movie file formats are .ogv, .mp4, .mpeg, .avi, .mov etc.
- audio – Set to False if the clip doesn't have any audio or if you do not wish to read the audio.
- target_resolution: Set to (desired_width, desired_height) to have ffmpeg resize the frames before returning them. This is much faster than streaming in high-res and then resizing. If either dimension is None, the frames are resized by keeping the existing aspect ratio.
- fps_source: The fps value to collect from the metadata. Set by default to 'fps', but can be set to 'tbr', which may be helpful if you are finding that it is reading the incorrect fps from the file.

```
from moviepy.editor import VideoFileClip
videoClip = VideoFileClip("MovieFile.mov")
videoClip.write_gif("FileName.gif",fps=10)
videoClip.close()
```

Merge PDFs to create a single PDF

The below code snippet will merge multiple PDFs in the order given and creates a single PDF as the output.

```python
from PyPDF2 import PdfMerger
pdfs = ["1.pdf",
"2.pdf",
"3.pdf",
"4.pdf",
]
merger = PdfMerger()
for pdf in pdfs:
    merger.append(pdf)

merger.write("combined.pdf")
merger.close()
```