SP3 – Final exercises

YOU ALMOST DID IT!! One last step!!

Do the exercises and upload them in a repo called SP3 in your Github! (or same repo with different folder, as you want)

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▪Use PYTHON only

▪Be creative! Feel free to type code as you want

▪Don't forget to comment your code to make it understandable

▪PEP8! Don't forget it!
https://www.python.org/dev/peps/pep-0008/

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1) (last FFMpeg you're going to write!) Remember you have the BBB video converted into these? If not, convert it now!
720p
480p
360x240
160x120

· Convert them into VP8, VP9, h265 & AV1.

Automatize all these tasks inside a new class in Python.

No need to all the operations, just a few or feel free to interpret it your own way

2) Create a script that will export 2 video comparision.
For example: VP8 vs VP9 (both in same screen).

Then choose 2 codecs of the 4 mentioned before, create the output and comment the differences you find there

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3) NOW IT'S TIME TO BUILD A GUI. Use WHATEVER you want. Rules are:

- **BE CREATIVE (4 points out of 10)**
- **Use ANY of the scripts you have delivered to me or you're going to**
- **Send screenshots of the GUI to confirm!**

4) Play a bit with Docker

▪ Google what it is

▪ Build a container that will contain FFMPEG and you can use that container to process something (BE CREATIVE!)

5) · (COMPLETELY OPTIONAL, NOT for marks) For those who already know Docker or have extra time, if you get bored, try to have:

· One container with ffmpeg
· One container with Bento4
· Apply any DRM into a video calling both containers

Thanks

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