P2 – Transcoding

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▪Use PYTHON only (there might be exceptions)

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

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

▪PEP8 it's a plus
https://www.python.org/dev/peps/pep-0008/

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- It's recommended to work with PyCharm or any other IDE

- You can INTERPRET as you want the following exercises

- It's ALLOWED to COPY from the internet if the script works. Not allowed to copy from mates AND DO NOT USE CHATGPT, COPILOT or any AI

- Deliver everything inside a Github link! then share this link in Aula Global

- Work with your bestie together. Better github history will increase marks

1) Create a new endpoint/feature to convert any input video into VP8, VP9, h265 & AV1.

2) Create a new endpoint/feature to be able to do an encoding ladder.

Obviously, in the backend rather than repeating code, you are going to call internally previous methods with inheritance or any other way you decide

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3) Create a GUI to be the final work of your monster API!

You can use any language/tool/framework

Changing GUI for a cool website is also accepted, feel free to be creative and use your skills

4) Now it's time to use AI! Try to improve and reduce lines of your code. Add unit tests, or ask me for good practices to improve everything.

Send screenshots of your 'git diff' or create a document with the improvements you made with the help of AI (or the opposite: if AI messes, show examples!)

Thanks

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