

P1 – API & Dockerization



- **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/>**

- **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) Start a new project called practice1.

You're going to create an API. You can use Flask, FastAPI (recommended), Django, or any other python framework you're familiar with... or any other API framework from other language (Golang? Node.JS?)

Put it inside a docker

2) Put ffmpeg inside a Docker

3) Include all your previous work inside the new API. Use the help of any AI tool to adapt the code and the unit tests

4) Create at least 2 endpoints which will process some actions from the previous S1

5) Use docker-compose to launch both and make them interact (i.e., you have a method for conversion, you launch your API and it will call the FFMPEG docker)

Fill a report of all your work as a README file

Thanks

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