

# P2 – Python & Video



**Please try to solve these exercises and deliver them. Some important tips:**

- **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 it's a plus**
- <https://www.python.org/dev/peps/pep-0008/>**

- **It's recommended to work with PyCharm or another 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**

## **DON'T FORGET:**

- **Delivery is BOTH on Github account (under P2 folder) plus you deliver the URL into Aula Global**

**1) Download the infamous BIG BUCK BUNNY movie. You'll see there are only MP4 options**

**No worries.**

- Create a python script which converts this video into a .mp2 video file, and is able to parse the 'ffmpeg -i BBB.mp2' file and save the video info**

**2) On this script, create a method which lets you to use ffmpeg to modify the resolution.**

### **3) Create another method which lets you change the chroma subsampling**



**4) Create another method which lets you read the video info and print at least 5 relevant data from the video**

## **5) Let's try to level up your coding skills.**

**Remember your script from P1? Learn how to inheritate and try to do some interaction with it from the new script**

# Thanks

**[franciscojavier.brines@upf.edu](mailto:franciscojavier.brines@upf.edu)**

