

## S1 – JPEG, JPEG2000 and FFMpeg

### Exercise 01

```
C:\Users\Nahia\Documents>ffmpeg -version
ffmpeg version 8.0-full_build-www.gyan.dev Copyright (c) 2000-2025 the FFmpeg developers
built with gcc 15.2.0 (Rev8, Built by MSYS2 project)
configuration: --enable-gpl --enable-version3 --enable-static --disable-w32threads --disable-autodetect --enable-fontcon
fig --enable-iconv --enable-gnutls --enable-lcms2 --enable-libxml2 --enable-gmp --enable-bzlib --enable-lzma --enable-li
bsnappy --enable-zlib --enable-librist --enable-libsrt --enable-libssh --enable-libzmq --enable-avisynth --enable-libblu
ray --enable-libcaca --enable-libdvdnav --enable-libdvdread --enable-sdl2 --enable-libaribb24 --enable-libaribcaption --
enable-libdav1d --enable-libdav1s --enable-libopenjpeg --enable-libquirc --enable-libuavs3d --enable-libxevd --enable-li
bzbvi --enable-liboapv --enable-libqrencode --enable-librav1e --enable-libsvtav1 --enable-libvenc --enable-libwebp --en
able-libx264 --enable-libx265 --enable-libxavs2 --enable-libxve --enable-libxvid --enable-libaom --enable-libjxl --enab
le-libvpx --enable-mediafoundation --enable-libass --enable-frei0r --enable-libfreetype --enable-libfribidi --enable-lib
harfbuzz --enable-liblensfun --enable-libvidstab --enable-libvmaf --enable-libzimg --enable-amf --enable-cuda-llvm --ena
ble-cuvid --enable-dxva2 --enable-d3d11va --enable-d3d12va --enable-ffnvcodec --enable-libvpl --enable-nvdec --enable-nv
enc --enable-vaapi --enable-libshaderc --enable-vulkan --enable-libplacebo --enable-openccl --enable-libcdio --enable-ope
nal --enable-libgme --enable-libmodplug --enable-libopenmpt --enable-libopencore-amrwb --enable-libmp3lame --enable-lib
s --enable-libtheora --enable-libtwolame --enable-libvo-amrwbenc --enable-libcodec2 --enable-libilbc --enable-libgsm
--enable-libl3 --enable-libopencore-amrnb --enable-libopus --enable-lspspeex --enable-libvorbis --enable-ladspa --enabl
e-libbs2b --enable-libflite --enable-libmysofa --enable-librubberband --enable-libsoxr --enable-chromaprint --enable-whi
sper
libavutil      60. 8.100 / 60. 8.100
libavcodec     62.11.100 / 62.11.100
libavformat    62. 3.100 / 62. 3.100
libavdevice    62. 1.100 / 62. 1.100
libavfilter    11. 4.100 / 11. 4.100
libswscale     9. 1.100 / 9. 1.100
libswresample  6. 1.100 / 6. 1.100

Exiting with exit code 0
```

### Authors' notes:

We know you look into github history of commits, so we want to mention that we started this seminar with google colab, and once it was almost finished we uploaded it into our local repository and pushed it into the github one. This is why there are so few commits and most of them are from Laia (which were small modifications to make it compatible with vs code).

During the classes we worked mostly with Nahia's computer. These are screenshots of the google colab history:

	Nov 18, 2025 4:38 PM	LAIA PERTUSA NAVARRETE
	Nov 18, 2025 4:10 PM	nahia.anaut01
	Nov 18, 2025 4:04 PM	nahia.anaut01
	Nov 18, 2025 4:00 PM	nahia.anaut01
	Nov 18, 2025 3:45 PM	nahia.anaut01
	Nov 18, 2025 3:38 PM	nahia.anaut01
	Nov 18, 2025 3:35 PM	nahia.anaut01

	Nov 17, 2025 5:27 PM	nahia.anaut01
	Nov 17, 2025 5:23 PM	nahia.anaut01
	Nov 17, 2025 5:19 PM	nahia.anaut01
	Nov 17, 2025 5:16 PM	nahia.anaut01
	Nov 17, 2025 5:14 PM	nahia.anaut01
	Nov 17, 2025 5:12 PM	LAIA PERTUSA NAVARRETE
	Nov 17, 2025 5:10 PM	nahia.anaut01