

How to label video?

*"Install toolkit to split video into set of images.
Run and verify functionality."*

Step 1: Create additional directories

Windows: open Anaconda Prompt.

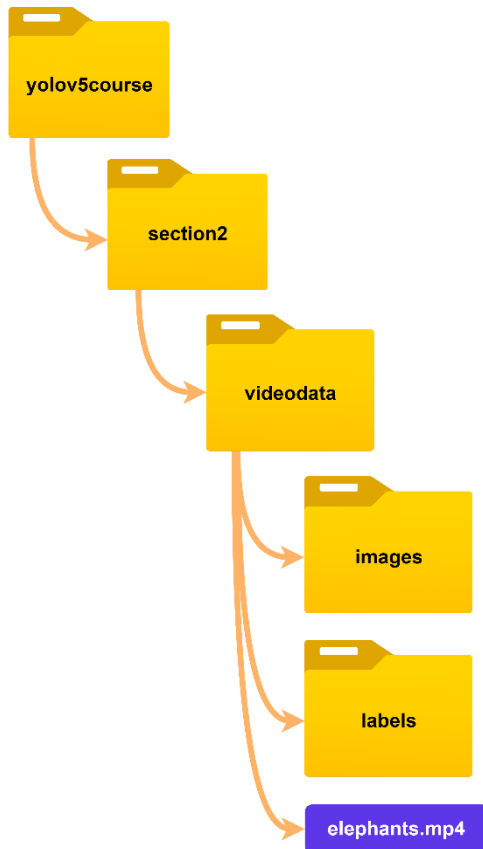
Mac or Linux: open terminal window.

All the commands are the same for Windows, Mac and Linux.

Command	Description
<code>cd yolov5course\section2</code>	Navigates to "section2" directory
<code>mkdir videodata</code>	Creates "videodata" directory
<code>cd videodata</code>	Navigates to "videodata" directory
<code>mkdir images</code>	Creates "images" directory
<code>mkdir labels</code>	Creates "labels" directory

Step 2: Download video

Go to resources of this lecture and download one video file.
Place this file into created "videodata" directory, that is inside "section2" directory.
You should have following hierarchy:



Step 3: Install FFmpeg

Windows: open Anaconda Prompt.

Mac or Linux: open terminal window.

All the commands are the same for Windows, Mac and Linux.

Command	Description
<code>conda activate</code>	Activates base environment
<code>conda install -c anaconda ffmpeg</code>	Installs FFmpeg toolkit
<code>ffmpeg -help</code>	Verifies functionality of the toolkit

Step 4: Split video → images

Windows: open Anaconda Prompt.

Mac or Linux: open terminal window.

All the commands are the same for Windows, Mac and Linux.

Command	Description
<code>cd yolov5course\section2\videodata</code>	Navigates to "videodata" directory
<code>dir</code>	Shows all the files in the current directory
<code>ffmpeg -i elephants.mp4 -vf fps=2 images\image%d.jpeg</code>	Splits video into set of images and saves images into "images" directory

(*) The video file "elephants.mp4" is inside "videodata" directory

(*) Change "fps=2" to the value according to the speed of the moving objects in your video

Links

Check out additional links with extra information for further readings:

- ✓ [FFmpeg](#)
- ✓ [FFmpeg from Anaconda cloud](#)
- ✓ [FFmpeg from Conda-forge cloud](#)
- ✓ [Slideshow from images](#)