Function: slide_reader()

Requirements:

- Python OpenCV Library
  - `pip install opencv-python`

Functionality:

- Takes a video input and captures each of the slide in that video.
- Each slide is stored in order as 1.jpg, 2.jpg and so on.
- If same background is detected, it is not exported more than once but only the changing part of video is cropped and exported.

Parameters:

- videopath: The path of the video to be read. the path can be absolute or relative to the current directory on the terminal.
- result_directory: The path of the result directory where the images are to be stored. Default value is "Output".
- starting_time: The starting time in seconds of video from where the function will start capturing slide. Default value is 0.
- end_time: The ending time in seconds of video where the function will stop capturing slides. Default value is 0 meaning the actual end of the video.
- up: the upper ratio or upper part of video to be cropped. It must be in form of floating point number from 0 to less than 1. Let you want to crop the 25 % of upper part of video. Then you must enter 0.25. Default value is 0.
- down: the lower part of video to be cropped. It must be in form of floating point number from 0 to less than 1. Default value is 0.
- left: the left part of video to be cropped. It must be in form of floating point number from 0 to less than 1. Default value is 0.
- right: the right part of video to be cropped. It must be in form of floating point number from 0 to less than 1. Default value is 0.

Note: This is an ordered list of parameters from top to bottom.