

# Tutorial 8: Video Processing with Python

## Question 1

Write a Python code to fast forward to a selected frame number and display the video from that frame onwards. Use the code `demo_03_fast_forward_to_frame_x_play_student.py` as reference

Sample execution

```
Video information for myVideo.mp4
Total frames = 739
Frame rate = 25.0 frames/sec
Video duration = 29.0 secs

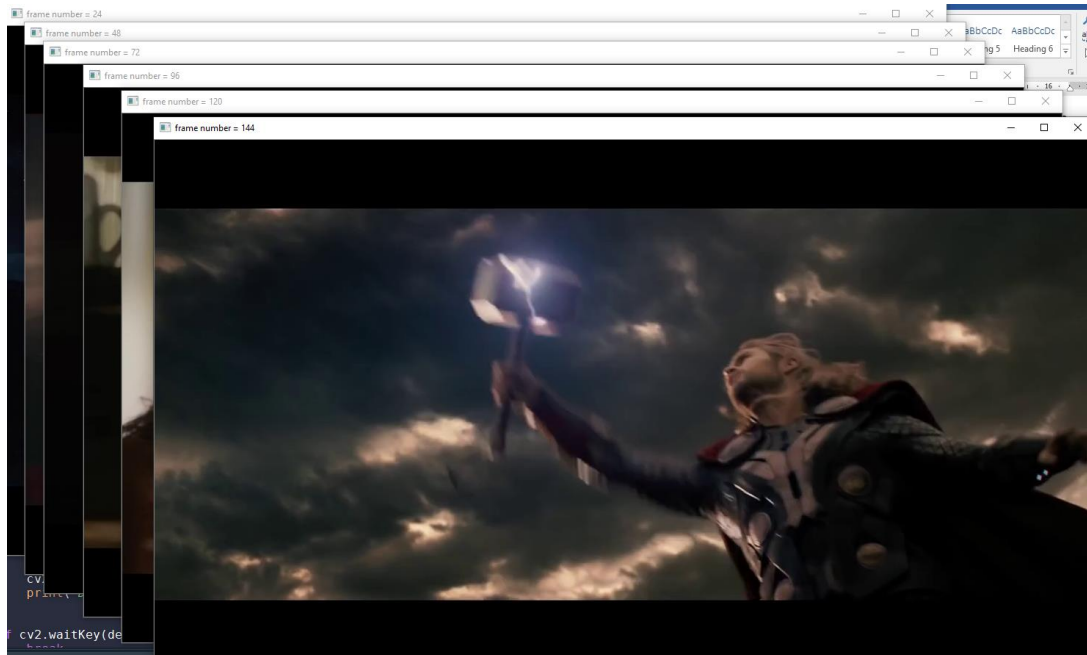
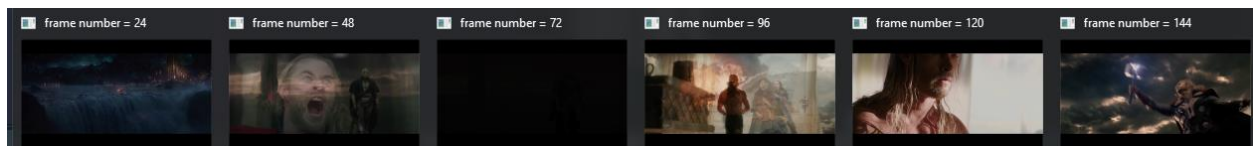
Input the frame number to fast forward to ->> 725
Display frame 725
Display frame 726
Display frame 727
Display frame 728
Display frame 729
Display frame 730
Display frame 731
Display frame 732
Display frame 733
Display frame 734
Display frame 735
Display frame 736
Display frame 737
Display frame 738
Display frame 739
```

## Question 2

Write a Python code to display a series of video frame sampled **at one frame per second**. Test your program on the video 'thor.mp4' and 'myVideo.mp4'. Use the code `demo_05_display_video_at_1_fps_skip_frame_student.py` as reference

Sample execution

```
Video information for thor.mp4
Total frames = 164
Frame rate = 24.0 frames/sec
Video duration = 6.0 secs |
Display frame 24
Display frame 48
Display frame 72
Display frame 96
Display frame 120
Display frame 144
```



### Question 3 (No need to submit)

Write a simple Python program with graphical user interface for a simple video player

#### Example

