In [106]:

```python
# Import the library
import cv2
```

In [107]:

```python
#Video Capture Instance
cap = cv2.VideoCapture('sample.mp4')
```

In [108]:

```python
#Properties of Video

#Total number of frames in video
frames = cap.get(cv2.CAP_PROP_FRAME_COUNT)
```

In [109]:

```python
#Frames per second of video
fps = cap.get(cv2.CAP_PROP_FPS)
```

In [110]:

```python
#height and width of video
height = cap.get(cv2.CAP_PROP_FRAME_HEIGHT)
width = cap.get(cv2.CAP_PROP_FRAME_WIDTH)
```

In [111]:

```python
#Initiating the Output writer for Video
fourcc = cv2.VideoWriter_fourcc(*'MJPG')
out = cv2.VideoWriter('reversed.avi', fourcc,fps ,(int(width*0.5), int(height*0.5)))
```

In [112]:

```python
print("No. of frames are : {}".format(frames))
print("FPS is :{}".format(fps))
```

```
No. of frames are : 5320.0
FPS is :30.0
```

In [113]:

```python
# We get the index of the last frame of the video file
frame_index = frames-1
```

In [114]:

```python
#Checking if the video instance is ready
if(cap.isOpened()):
    #Readinx!g till the end of the video
    while(frame_index!=0):
        # We set the current frame position to last frame
        cap.set(cv2.CAP_PROP_POS_FRAMES, frame_index)
        ret, frame = cap.read()

        #Resize the frame
        frame = cv2.resize(frame,(int(width*0.5), int(height*0.5)))

        #OPTIONAL : To show the reversing video
        cv2.imshow('winname', frame)

        #Writing the reversed video
        out.write(frame)
        #Decrementing Frame index at each step
        frame_index = frame_index-1

        #Printing the progress
        if(frame_index%100==0):
            print(frame_index)
        if(cv2.waitKey(2)==ord('q')):
            break
out.release()
cap.release()
cv2.destroyAllWindows()
```

```
5300.0
5200.0
5100.0
5000.0
4900.0
4800.0
4700.0
4600.0
4500.0
4400.0
4300.0
4200.0
4100.0
4000.0
```

In [ ]:

In [ ]: