

# 7.3. Make a Video Using A Sequence of Frames

1. **Review the code order for making two 2x2 video frames:**

*Create the color variables*  
*Create the video frame variable*  
*Specify the frame row-by-row*

*Why should we define colors first?*

*Why create the video frame variable second?*

3. **Replay:** Modify the video to play slower and faster. You will need to find and modify:

```
frame_list = [frame0, frame1]    # list of frames
fps= 2                            # frames per sec
play_video= vid_show(frame_list, fps)
                                   # play on screen
```

**Co-facilitators: Support the students with experimenting with the code.**

AOLME PROJECT - LEVEL 1- SESSION 7- 2019

2. **Python IDLE.** Open IDLE and navigate the directory to `/home/pi/AOLME/Session7/`.

Run `VideoEx1.py`. Then modify the code to play your two video frames.

**Take turns** modifying the `frame_list` variable:

```
frame_list = [frame0, frame1] # list of frames
```

*How can you make a frame appear twice?*



4. **Analyze:** Study `VideoEx1.py` and find the parts of the code that perform the following:

*Import libraries*  
*Define colors*  
*Define frames*  
*Define the list of frames*  
*Play the video*

**Take turns adding comments to the code to identify structure. Then discuss the structure of the code.**