

Report for Week 06 Movie workshop v2File

Task 1: Display Video



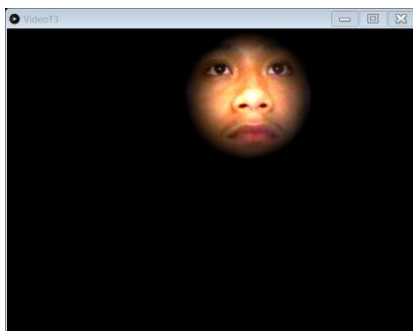
// It just display the video that using camera.

Task 2: Manipulate Capture Video Image



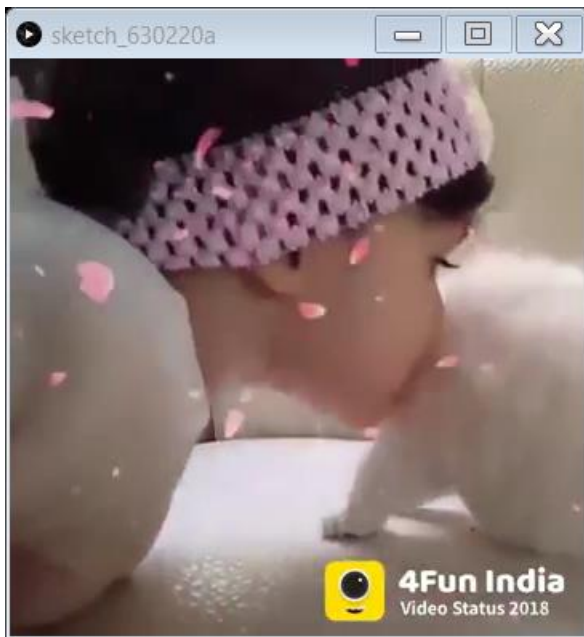
// It will show the video that can manipulate by our mouse.

Task 3 Adjusting Video Brightness



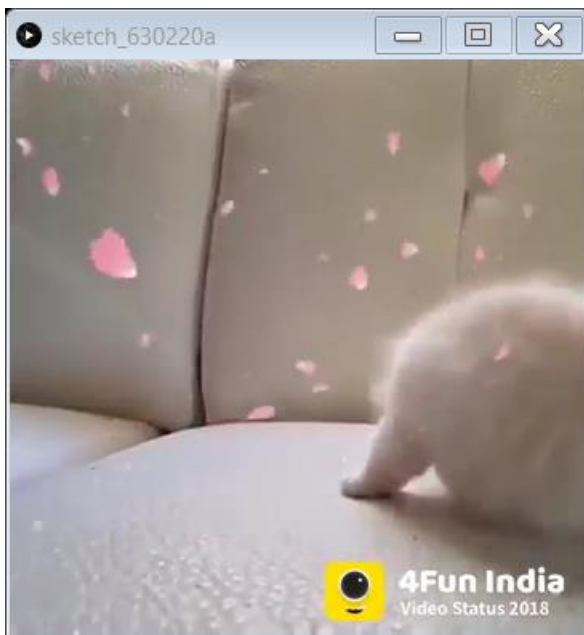
// The visualization depends on the movement of our mouse.

Task 4 Movie Playback



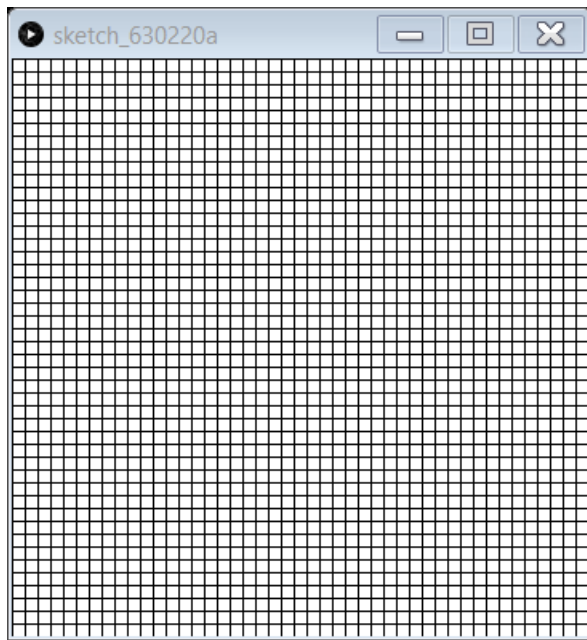
// It run the video file using loop() function to playback.

Task 5 - Scrubbing forward and backward in movie



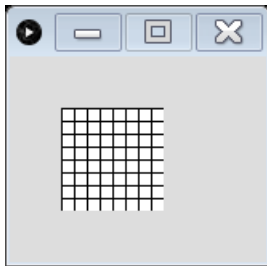
// For this task it run the video one time.

Task 6 Draw a grid - macroblock area



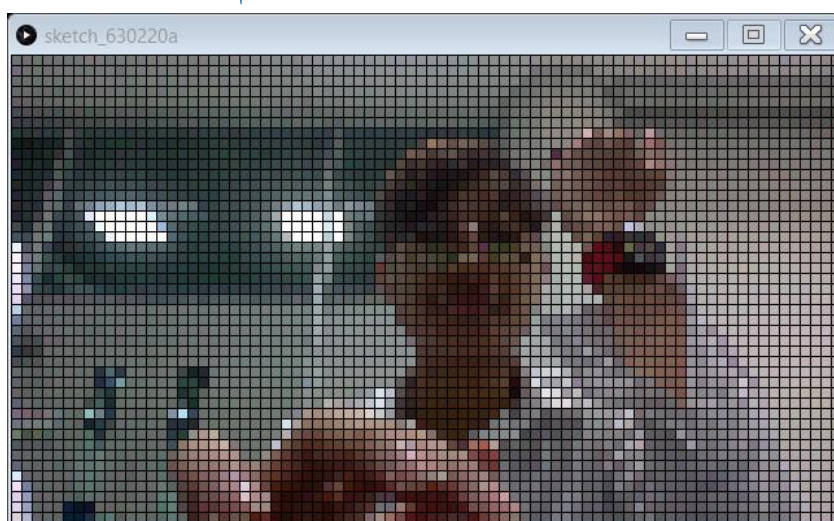
// It draw a grid-macroblock area with the video size 360.

Trying to draw a grid representation of 8x8 pixel blocks



//Just change the size in setup() function.

Task 7 - Pixelate Capture into Grid



// for this task it try to convert the Pixelate capture into the grid.

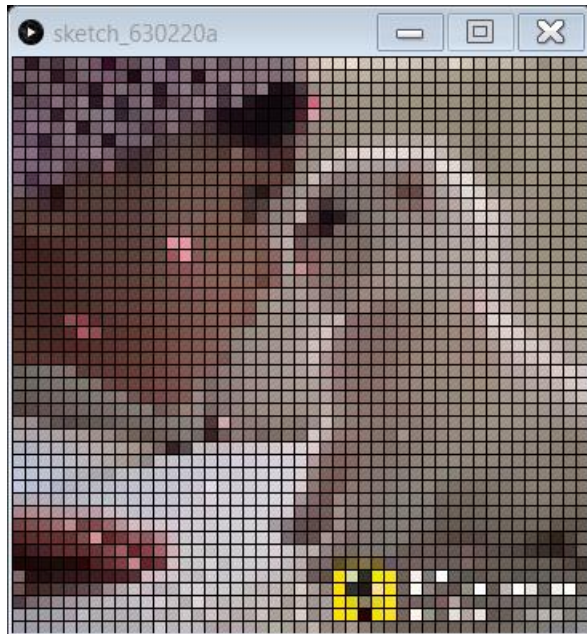
Do you remember the pointillism ?

// Yes I do.

Can we draw a geometry shape while using the color related captured video pixel?

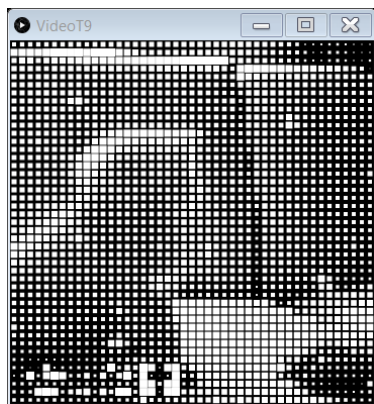
// Yes, we can

Task 8 - Apply Pixelate to Movie Playback



// so it using the same idea from task7 but now we apply pixelate to movie playback.

Task 9 - Brightness Mirror



For this task, It will be determined the bright pixel is a large rectangle, and a dark pixel is a small one.

Task 10 - Scribber



// It draw the line drawing with random direction using Scribber.

Task 11 - Scribble Mirror



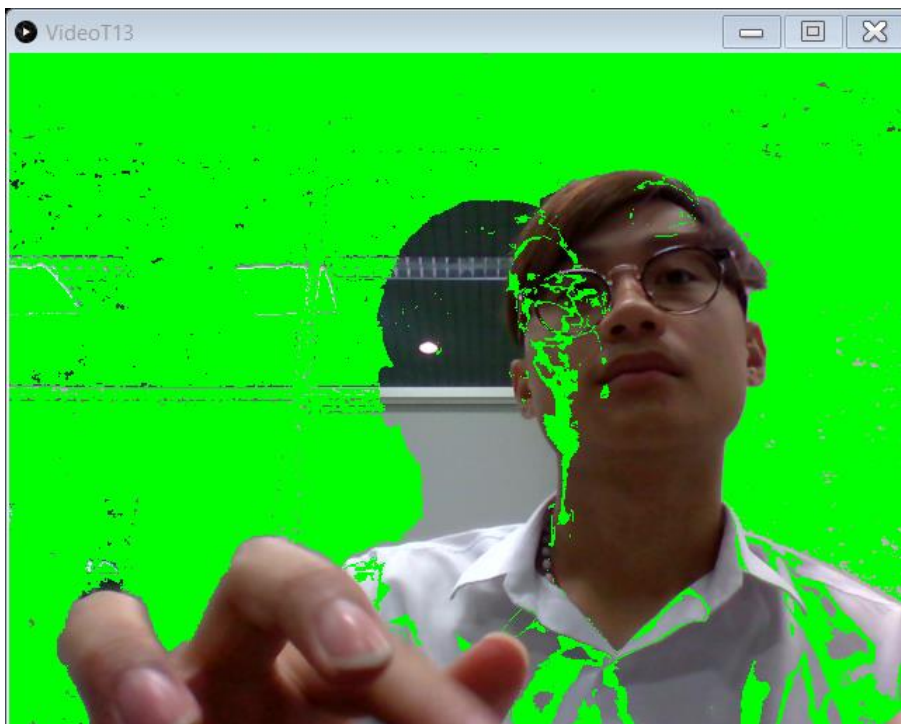
// so for this task it very similar to task10 but it add color and the pause function when you pressed mouse button.

Task 12 – Color Tracking Basic (WebCam)



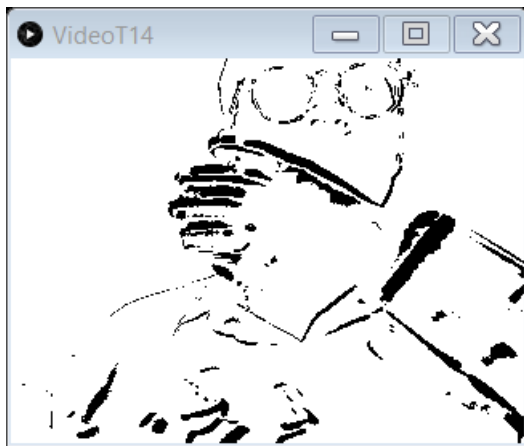
// It will display the ellipse shape at the closet match location of the image.

Task 13 – BackgroundRemove (WebCam)



// It will display the green screen and once you click on the mouse It will capture your body to know that you are not the background and It will refrain your body to be background.

Task 14 – Motion Pixel (Webcam)



// for this task it will display the motion pixel that eliminate non-motion pixels by painting white color on less then threshold result that can be calculated with the similar to task13.

Task 15 – MotionSensor Webcam



// It will display the ellipse at the center of the image rather than painting the motion pixels. Moreover, the size of ellipse will base on the movement during an move.