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Homework 5
Image / Video and Text

Creating an Image out of Text

1. Find a source image online of an object, or capture an image from your webcam
    - e.g., an image of a banana
2. Using image-editing software, crop/scale the image to exactly 500 x 500 pixels
3. Write a sentence about your image
    - e.g., "bananas have potassium and taste good"
4. Create a 500 x 500 pixel sketch
5. Display the sentence on the screen, over and over; be creative, but keep the sentence readable
6. Make the color of the individual letters correspond to a pixel in the image
7. Play with the text size, repetition, randomness, typefaces, etc. until you like the image you have created
8. Keep in mind, you are not drawing the image to the screen; you are drawing text to the screen, using the colors from the image

An example is provided on the following page. You can also see the "Text Mosaic" example provided on *Learning Processing* (Shiffman), p. 314–316.

Useful Classes & Methods

```
PImage
loadImage()
loadPixels()
pixel[] (the pixel array)
String
charAt()
text()
textAlign()
textSize()
```

Submission

Submit your code and a screenshot of the final product via email: jhmurphy@cise.ufl.edu

500 X 500 SOURCE IMAGE

FINAL IMAGE