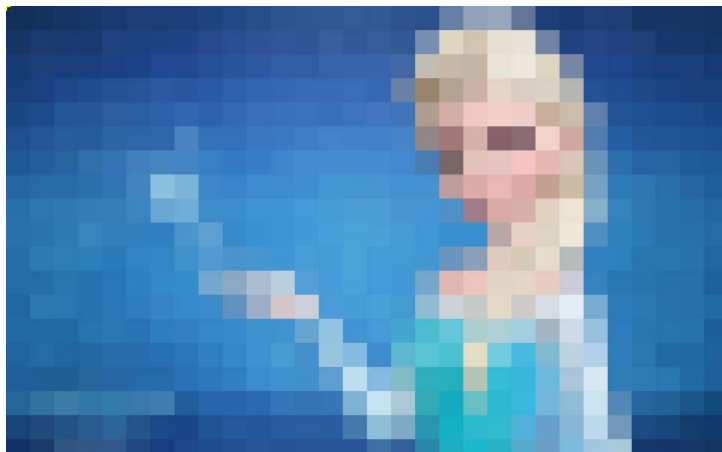


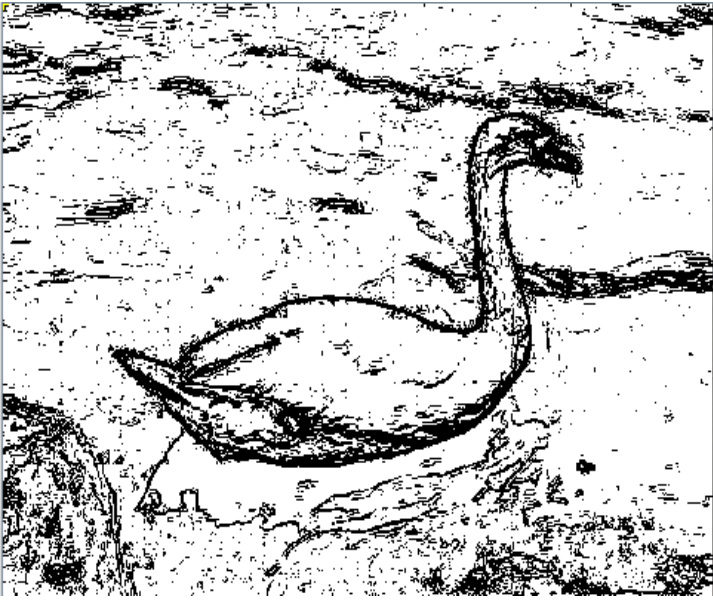
1. Create a "pixelated" image. This is more challenging. Average the color over 20 x 20 pixel "squares" and then change the color to that average for every pixel in the 20 x 20 square.



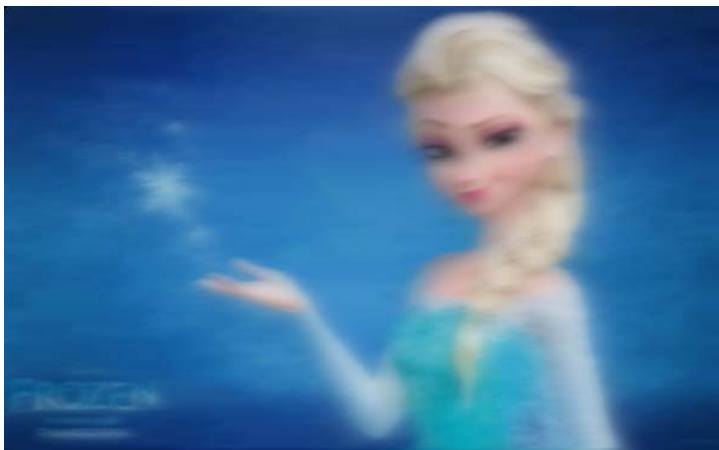
2. Combine two images using the idea of a green screen.



3. Enhance the edge detection.



4. Attempt to create a blur. The idea is much the same as pixelate (see 1 above), but to move pixel by pixel, not in blocks of pixels.



5. Very challenging: Rotate an image. This formula may help:

$$x_{\text{new}} = x \cos z - y \sin z$$

$$y_{\text{new}} = x \sin z + y \cos z$$

where x and y are the original coordinates, and z is the angle of rotation.

