# LAB 3

2017. 07. 13

# EXERCISE

- 1. Write a function that increases Blue color by 50%

Use Graves.jpg

# EXERCISE

- 2. Write a function subtracting 50 to each of the red, green, and blue components of every pixels.

Use Graves.jpg

# EXERCISE

- 3. Write a general "green-ify" function.
  - Doubles the green value of every pixel
  - Cut the blue and red values in half.

Use barbara.jpg

# EXERCISE

- 4. Write a function to create a lightened grayscale image.
  - Lighten the image by using the makeLighter function on each color
  - Grayscale with weights.

Use barbara.jpg

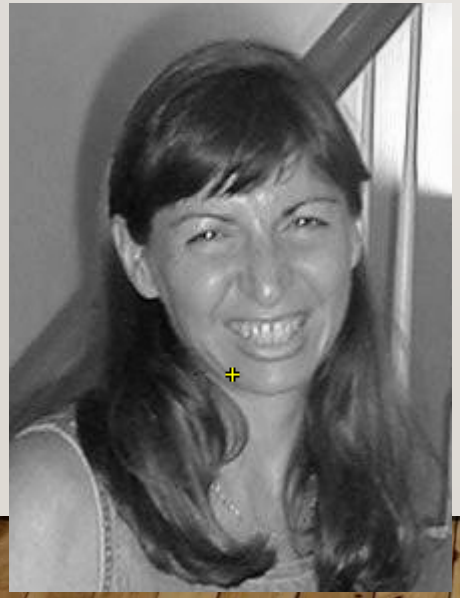
# EXERCISE

- 5. The function copyHalf copied the top half of the picture into the bottom half. Write a new function copyUpHalf that copies the bottom half of the picture into the top.

Use statue-tower.jpg

# CHALLENGE: WARHOLE

- Each digital image consists of pixels, each of which is a specific value.
- Display a picture to grayscale
- Take the picture to make an Andy Warhol imitating image.



# CHALLENGE: WARHOLE

1. Convert the image to grayscale using (R+G+B)/3
2. If intensity > 100, set color X. otherwise Y

HINT: use getWidth(picture) and getHeight(picture)

Yellow = (255, 255, 0)