

Assignment 7: Conditionals and Drawing

Due Date: March 20, 2015

Objective

The objective of this lab is to

- Use loops
 - Use conditions
 - Create methods
 - Practice pass by reference (an array into a method)
 - Create a collage (playing with images)
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NOTE:

- This assignment is due on FRIDAY, March 20, 2015 at 11:59pm.
 - There will be no extensions on this assignment as we are going into exam week.
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Exercises

Now that you've seen a bunch of image manipulation algorithms it's time to write your own!

Write a method that creates a collage, `makeCollage(Picture[] pics)`. Your method should take as input an array of pictures to use in the collage. The current image (this) should be the image on which to draw the result (you can use a blank JPEG file for this). Please keep the number of pictures to 5 for the `pics` array.

`makeCollage()` should use at least one of the images in `pics` 2 or more times. It should draw at least four separate images on this, and most or all of those should be modified in some way using the algorithms we discussed here and in previous modules.

To complete your assignment, please add a method called `drawCollage()` which runs `makeCollage()`. Your `drawCollage()` method may set up an array of images you select. However if I provide my own array of images, your code should still run without error. This means that you need to use conditionals to check that you will not have array out of bounds errors when the instructor runs `drawCollage()`. You can decide what to do if an image is too small or too large, but your documentation should describe your solution.

Hint:

- Because of previous implementations of code, I have not provided a Netbean project. Make a copy of and work from there.

Submit:

I only need your `Picture.java` file and a snapshot of your output. If you have made any assumptions please include them in the comment section of the drop box.