Walkthrough

Batch Grayscale Images

▶ Batch Grayscale: Converting Many Files — 2 min

▶ Grayscale Algorithm: Seven Step Approach — 4 min

▶ Image Iterable in BlueJ: Grayscale — 5 min

▶ Batch Processing Grayscale — 3 min

▶ Saving Images with New Names — 11 min

▶ Batch Grayscale Summary: Converting Many Files — 1 min

▤ Programming Exercise: Batch Grayscale and Image Inversion — 10 min

★ **Quiz:** Batch Grayscale Images — 6 questions

Convert Images To Grayscale

- This lesson: batch grayscale conversion
  - Break larger problem into small

Into smaller programs that you can then develop incrementally,

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Batch Grayscale Summary: Converting Many Files

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Hi. We're now done with this lesson, in which you've written a Java program to convert many image files to grayscale, batch processing. During this lesson, you learned how it can be really useful to break a large problem down into smaller pieces. Into smaller programs that you can then develop incrementally, making each program work, and then putting the correct working programs together. You got more practice writing code which literates over data. First iterating over files that the user selected using the directory resource class. And then, iterating over the pixels in an image, where you wrote code to actually convert an image to convert an image to grayscale. Converting an image to grayscale gives you more practice in solving a programming problem, using our seven step method. Finally, you put the finishing touches on your batch grayscale conversion program, by making it save the new images with file names that were similar to the old file names. This is a reasonably complicated program, and you should be proud of having made your way through this lesson.

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