CompSci 6
Programming Design and Analysis

March 18, 2010
Prof. Rodger

Announcements

• Assignment 7 out today
• Classwork today is start Assignment 7, so there is no classwork to turn in for today.
• Topic today is more on 2D arrays
• No reading for next class. No Reading quiz.

Assignment 7 - Pixmap

• Wrapped up our 2-D array into a class
• Pixmap
  - private String myFileName;
  - private BufferedImage myImage;
  - private Dimension mySize;
• Create a pixmap
• Get and Set a color from one pixel
  - public Color getColor (int x, int y)
  - public void setColor (int x, int y, Color value)
Other Pixmap methods

- public String getName ()
- public boolean isInBounds (int x, int y)
- public Dimension getSize ()
- public void setSize (int width, int height)

NOTE: Look at code for “Negative” – it’s already been done for you

Mirror Vertically and Horizontally

- Mirror vertically
  – Think about writing a swap method
- Mirror horizontally

Expand

- Example –
  – Expand by 3 rows and 2 columns

Filter – Blur and Edge Detection

- Example –
  Blur 9 x 9
- Example –
  Edge Detection 5x5