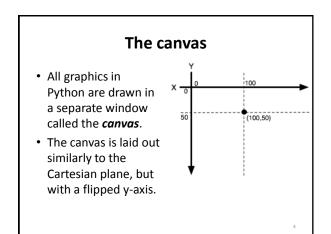


Announcements	
Reminders:	
Program 2 – due tomorrow night by 11:55pm	
Rhodes College	2

## **Using Graphics in Python**

- Many programming languages include a *library* for computer graphics
  - A library is a pre-written collection of functions usually centered around a theme (graphics, networking, math, sound, etc.)
  - Using libraries (rather than starting from scratch) enables you to write programs faster
  - Libraries are centered around functions because we know functions are abstractions of algorithms.



## **SimpleGraphics**

• We learned about Turtle

- Many other graphics libraries available

- Introducing simplegraphics
  - Not a built-in library
  - You need to have 2 files in the same folder as your program
    - simplegraphics.py
    - cs1graphics.py

Rhodes College

## **Your First Graphics Program**

- Go to my Box.com code directory and copy **simplegraphics.py** and **cs1graphics.py** files into your own folder (same folder you save the rest of your python files). Make a new Python file and type in the following program.
- If you see the picture on the right, you're all set.
- Experiment with other functions on the handout.
- Try writing programs that draw the following:
- a landscape (mountains, trees, houses, a cityscape, or something like that)
- · a self-portrait
- A depiction of the solar system the Mona Lisa
- · something else of your choice

from simplegraphics import \*

## def main():

open\_canvas(500, 500) draw\_circle(250, 250, 100) close\_canvas\_after\_click()

main()

