Outline for October 22, 2012

Reading: None

Assignment due: October 24, 2012 at 5:00PM

- 1. Turtle graphics
 - a. What turtle is; ${\tt import\ turtle}$
- 2. Drawing a figure: a box with a hat [tbox.py]
 - a. Set up the window to draw in: Screen()
 - b. Create the turtle:Turtle
 - c. Cursor for drawing
 - d. Move cursor forward: forward, backward()
 - e. Turn cursor: left(), right()
 - f. Wait for the window to close: mainloop()
- 3. Titles, background, and such [tfancybox.py]
 - a. Window
 - i. Color of the window background: background()
 - ii. Title of the window: title
 - b. Turtle, more properly called "pen"
 - i. Shape of the turtle: shape()
 - ii. Speed of the drawing: speed()
 - iii. Color of the drawn line: color()
 - iv. Thickness of the line (pixels): ${\tt pensize()}$
 - v. Hide the turtle: hideturtle()
- 4. Plotting points and graphing
 - a. Drawing lines: penup(), pendown()
 - b. Move turtle: setpos()
 - c. Write text: write()
 - d. Draw a dot at the current position: dot() [tchaos1.py]
 - e. Draw a line from the current position to another: goto() [tchaos2.py]