

# Plan for Today

- Recorded Session
- Add questions to Ed thread. I will answer them ASAP
- Lists Recap
- Animations!

# List recap

- creating
- looping

**Any Questions :(**

# Canvas

- Our canvas for our animations
- Creation:
  - `canvas = Canvas(width, height, title)`
- Functions:
  - Most of them can be found [here](#)!
  - Highlighting some next.

# Canvas functions

- `canvas.create_x(top, left, bottom, right, color)`
  - where x is line, rectangle(square), oval(circle)
- `canvas.create_text(x, y, anchor, text="text", color)`

# More functions

- `canvas.update()`
- `canvas.moveto(object, x, y)`
- `canvas.find_overlapping`
- `canvas.mainloop()`

# The animation Loop

```
while True:  
    # do somethings here  
    canvas.update()  
    time.sleep(DELAY)
```

**Any Questions :(**

# Tips for Breakout

- Watch/ read the YEAH slides
- Decomposing well will make your life easier
- Start early! (Meaning start now, if you haven't started already)