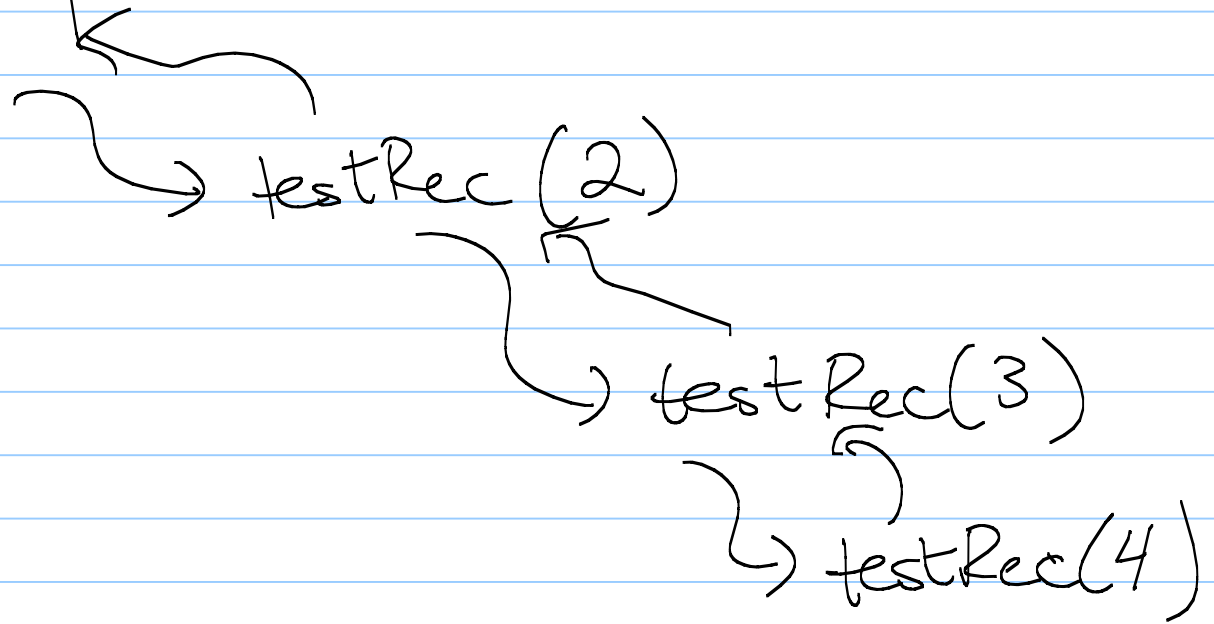# CS150 - Tkinter + widgets

Announcements

- HW due Saturday

- Office hours : 2 - 2:30
  (extra hour on Friday (0 - 11)

- Next HW will be up on Friday
  Can work with partner —
  but not same partner

#2 Quiz 10 recap
testRec (1)

testRec (2)

testRec (3)

testRec (4)

Output:

```
here
here
here
3
2
1
```

Our example yesterday:

- Always have a "root" Tk()
  (creates a window)

- pack() is essentially drawing things

- A Frame is just a container —
  here, we set it up to hold 2 buttons

- Can store references to widgets, if you
  need them, but don't need to.

Adding text that can change

Use string var, text var, etc
These will then update as things
change

Events + Bindings

In addition to buttons, can also have other events.

Use the bind command:

widget.bind (event, handler)

from a preset list:
includes mouse
button pressed,
any key pressed,
<enter>, etc.

some function
or action

Event example

Other examples:

- Making a simple toolbar

- Making a scrolled Listbox widget