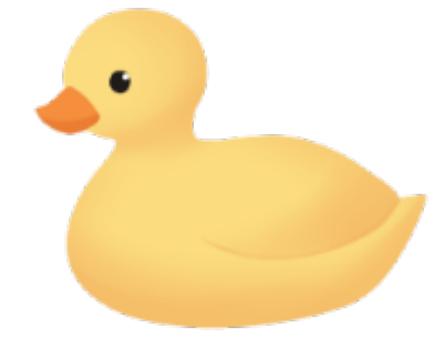# CS 314: Data Structures

March 22, 2021

Sam's Section

Slides available at: www.cs.utexas.edu/~slaberge

Help Hours & Piazza

- Help Hours get quite busy Wednesday and Thursday

  - Wait times are much shorter early in the week

- Piazza has a 7min average response time - use it to your advantage!

  - You can make private piazza posts with snippets of your code

Recursion Assignment

Recursion Assignment
Working With a Partner

- You can work with a partner on this assignment!

- Your partner must be in this discussion section

- Both of you must have enough slip days if you use any

- This does not mean you can Divide & Conquer the assignment, you should be doing Pair Programming (see the assignment page for more)

- **Get started early**, recursion can be very tricky if this is your first encounter with it

  - And even if you're experienced, getting good efficiency is not trivial.

Recursion Assignment
Style

- Once you find an *optimal* solution, stop searching!

- For canFlowOffMap & maze, review how we generalized checking directions for queensAreSafe in the first assignment (you can look at the Zoom recording on Canvas)

- Be *very* careful of magic characters and numbers

  - *Does this number/character have some other underlying meaning? Was it (somewhat) arbitrarily chosen by Mike?*

Section Problem

Recursion

Extra Problem

More Recursion!