# Compsci 101, 4/16

# Topics for today

- Compsci is different

- Problem solving practice and the real world
  - limited resources and information
  - proper coding style

- A casual programming endeavor

# Real world (IRL) programming

- Limited starting information
- Less thorough, if any, test cases provided
- Communicating your ideas to others is key

# Let's do a problem

- `makeChange`

- What is a clean, efficient solution?

# Let's do a problem

- `textRoll`

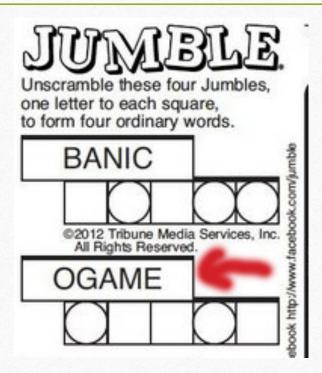- Think about edge cases
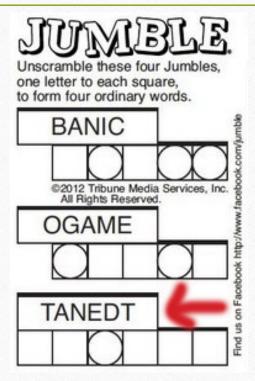
- What is good code style?

# The real world…? Pt 2

- Not in class!

- Not in the Link!

- You've got an idea, or you've found a problem you want to solve…
  - Where to start?
  - HOW to start?

# Jumble #1



JUMBLE®

Unscramble these four Jumbles,
one letter to each square,
to form four ordinary words.

BANIC

©2012 Tribune Media Services, Inc.
All Rights Reserved.

# Jumble #2



JUMBLE

Unscramble these four Jumbles,
one letter to each square,
to form four ordinary words.

BANIC

©2012 Tribune Media Services, Inc.
All Rights Reserved.

OGAME

# Jumble #3

# Jumble #4



**JUMBLE**
Unscramble these four Jumbles,
one letter to each square,
to form four ordinary words.

BANIC

©2012 Tribune Media Services, Inc.
All Rights Reserved.

OGAME

TANEDT

TADRSN

Find us on Facebook http://www.facebook.com/jumble

# Head to Eclipse

# How to solve everyday problems, and the key to getting better…

- Think programmatically about the world around you
  - What tasks do you encounter that can be sped up by an algorithm?
- Do not get frustrated or discouraged when starting a project
  - Roadblocks WILL happen, step back, reevaluate, then try again

# Summary

- Compsci is not like other subjects

  - Practice the new skills you have learned

- You encounter problems and challenges all the time

  - Other subjects, Day-to-day stuff

  - How can programming help?

- Thoughtful coding is powerful coding.

  - Think about your approach and do not be afraid to ask for help.