Day 4 Highlights

1. Reminders
   1. Quiz Friday – practice quiz can be found on Piazza
   2. zyBooks chapters 1&2 due Friday at midnight (11:59pm)
   3. Project one to be assigned Thursday (due on Jan. 25 at 5pm)
2. Simple program – Convert temperature from Fahrenheit to Celsius
3. Practice – work through these together
   1. A package of Twizzlers has 25 Twizzlers, each of 7 inches long. How many packages of Twizzlers do you need to buy to cover the distance (in miles) from city A to city B?
   2. A can of silly string claims to generate 400 feet of string. How many cans of silly string do you need to spray a line from campus to your hometown?

**More Problems – With a friend, work any three before you leave**

* A single M&M has three calories and weighs approximately 1 gram. How many calories in a ton of M&Ms?
* An Oreo cookie is 9 millimeters thick and has 45 calories. How many calories in a ten-foot stack of Oreo cookies?
* A windmill farm in Kansas uses 116-foot blades (on a 212-foot tower). If the windmill does six revolutions a minute, how fast are the tips of the blades moving?
* Read in a speed (in miles-per-hour) and calculate the equivalent speed in furlongs-per-fortnight.
* When you make popcorn, the popcorn expands to about 45 times its original size. That is, one cup of un-popped corn produces 45 cups of popped corn. Read in the size of your bedroom (length and width and height – in feet) and calculate how many cups of un-popped corn you would need if you wanted to completely fill your bedroom with popcorn.  
  ***Hint: one cup is 0.00835503 cubic feet.***
* Tuscaloosa County is 1,351 square miles. Read in a rainfall amount (in inches) that falls uniformly on the entire county. Calculate how many tons of water fell on the county.  
  ***Hint: A cubic foot of water weighs 62.42718356 pounds.***

**CS100 Components**:

Step1 Step2 Step 3

