



Things to learn in Prog. 5

 $\hfill\square$ Dictionary – putting data in, getting it out.

String methods

strip()

split()

replace()

lots more....try Googling "Python string methods"

Today's example

- Read in file, build dictionary
- $\hfill \square$ Illustrates things you'll need:
 - Dictionary
- More string methods
- Data: my Twitter

Computer alphabets

- □ Everything in a computer is zeros and ones.
- $\hfill\square$ A bit is either a zero or a one.
- □ There really are no strings, ints, floats, lists....just bits.
- $\hfill\square$ Integers are numbers base 2 this is binary.
- □ Letters are encoded as binary numbers.

Character encodings

- $\hfill\square$ How many bits to waste on a character?
- Used to be 8 (ASCII was the encoding)
- $\hfill\square$ This allowed a total of 128 characters. Not enough!
- $\hfill\square$ Unicode uses up to 21 bits.
- Utf-8 is a subset of Unicode (a codec) that most
 Web browsers handle.

twFile = open("tweets.txt","r","encoding="utf-8")





