

CS 153 / 453 Review for Exam 2

Knowledge from previous chapters

- getting input
- converting input to int or float
- arithmetic expressions, order of operations
- assignment statements
- printing output, sep, end
- formatted printing
- if - elif - else statements
- strings, string methods
- lists
- logical operators: and or not
- relational operators: < > <= >= == !=
- membership operators: in not in

Chapter 5

- while loops
- for loops
- break, continue
- counting, calculating a sum
- range() function
- nested loops
- loop else

Chapter 6

- functions
- parameters
- return values, return statement
- dynamic typing
- reasons for defining functions
- incremental development
- function stubs, pass keyword

Chapter 7

- strings
- string slicing [start : end : stride]
- positive and negative indices
- a slice is a new string object
- string formatting using %
 - conversion types %d %f %s
 - field width
 - left justify -
 - right justify +
 - precision
- using the in and not in operators with strings
- using relational operators with strings
- string methods
 - replace
 - find(x), find(x, start), find(x, start, end), rfind(x)
 - count (x)
 - islower()
 - isupper()
 - isdigit()
 - isalpha()
 - isspace()
 - strip()
- split(separator)
- separator.join(list)