

CS 150 Fall 2021 – Quiz 2 “Cheat Sheet”

Numeric Operators

+, -, /, *: Addition, subtraction, division, multiplication

//: Floor division: Round division result down to nearest whole number

%: Modulus: Evaluate to remainder of division

Strings

- The following functions are built-in

len(string): Returns the number of characters in the string

int(string), float(string): Converts numeric string to int or float

str(object): Converts object, e.g. int or float, to a string

- String operators

string1 + string2: Returns a new string that is the concatenation of string1 and string2

string * int: Returns a new string that is string repeated int times

Modules

- **random** module

randint(a, b): Return a random integer N such that $a \leq N \leq b$

uniform(a, b): Return a random floating point number N such that $a \leq N \leq b$

- **math** module

sqrt(num): Return the square root of num