*Python Functions Study Sheet Last Update 5 Jul ‘23*

general syntax:

what’s a docstring?

what do functions that don’t return anything return?

creating a function stub:

*write a function header with...*

...argument default values

...arbitrary (number of) arguments

...keyword arguments

calling a function with kwargs:

*consider myList = [1, 2, 3, 4]*

*consider square(num) that squares a number*

*consider prod(num1, num2) that multiplies two numbers together*

what do the following return?

map(square, myList):

accumulate(prod, myList):

reduce(prod, myList):

rewrite the map above with a lambda function in place of “square”:

filter out odd numbers only from myList using another lambda function: