**CHEATSHEET PYTHON 3: Functions**

**Functions**

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| **Command** | **Description** |
| continue | Proceed immediately to the next iteration of a loop (for/while) |
| break | Exit immediately from a loop (for/while) |

**Defining functions**

def function\_name(input\_variable1, input\_variable2, optional\_argument = True/False):

"""Doc string to remind you of function use and input. The more detailed the better!"""

for loops, if else, other statements

more code

return new\_variable #this is what your function outputs

def divide\_key(x, y, as\_float = True, show\_remainder = False):

""" Divide two numbers, x and y. Takes optional arguments "as\_float" (default True) and "show\_remainder" (default False). """

if show\_remainder:

print "The remainder is %d" %(x%y)

if as\_float:

return float(x) / float(y)

else:

return x / y

**Useful Commands**

*You should set TextWrangler as the default application for .py files, and you should also set TextWrangler to be your default text editor.* If you know the command for a PC for these short cuts, please let us know and we'll add it to the list!

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| **Command** | **computer: program** | **Description** |
| open <file\_name> | mac: terminal | opens the given file in the default application for that file's extension |
| open -t <file\_name> | mac: terminal | force your default text editor to open the file |
| option + click | mac: terminal | Jump to where you click on the command line |
| option + <arrow key> | mac: terminal | Jumps complete words |
| ⌘ + / | mac: TextWrangler | Highlight some lines and enter this command to uncomment/comment the text; does not work for .txt files |
| ⌘ + <arrow\_key> | mac: TextWrangler | Navigate to the top/bottom of document with up/down arrows.  Navigate to beginning/end of line with left/right arrows |
| option + click&drag | mac: TextWrangler | Highlight a column of text |
| alt + click&drag | PC: Notepad++ | Highlight a column of text |