**Introduction to Python**

**Day Three Cheatsheet: Functions and File I/O**

**Functions**

def function\_name(arg1, arg2..):

do this command

do that command

return x

**File input/output**

# Read a file using the .read() method

file\_handle = open("file.txt", "r")

file\_string = file\_handle.read() # Read file as a single string

file\_handle.close()

# Read a file using the .readlines() method

file\_handle = open("file.txt", "r")

file\_line\_list = file\_handle.readlines() # Read file lines into a list

file\_handle.close()

# Read a file using the .readlines() method and with control-flow

with open("file.txt", "r") as file\_handle:

file\_line\_list = file\_handle.readlines()

# Write to a file

file\_handle = open("file.txt", "w")

file\_handle.write("This sentence is now in the file.\n")

file\_handle.write("And so is this sentence, on the next line!")

file\_handle.close()

# Write to a file using with control-flow

with open("file.txt", "w") as file\_handle:

file\_handle.write("This sentence is now in the file.\n")

file\_handle.write("And so is this sentence, on the next line!")