

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!")
```