

## CSCI 931 Python Cheat Sheet

Here are some of the Python elements we've covered in class so far.

- **for** iteration\_variable **in** sequence:  
statement[s]
  - <http://docs.python.org/tutorial/controlflow.html#for-statements>
- **if** condition :  
statement[s]  
**[else :**  
statement[s]]
  - <http://docs.python.org/tutorial/controlflow.html#if-statements>
- **def** function(arglist) :  
statement[s]  
**[return** value]
  - <http://docs.python.org/tutorial/controlflow.html#defining-functions>
- int = [len](#)(x)
  - returns the length of its argument
- newstring = [string.lower](#)()
  - newstring is just like string, except that all upper-case characters have been converted to lower case
- file = [open](#)(pathname)
  - assuming pathname refers to a file that you are allowed to access, it returns a file object
- list = [range](#)([start,] stop[, step])
  - returns a list of integers starting with *start*, and continuing up to, but not including, *stop*. If *step* is not supplied, the integers are consecutive. Otherwise each integer is *step* more than the previous. (Note that *step* can be negative.)
- string = [file.read](#)()
  - sets string to refer to the contents of the file
- [list.sort](#)()
  - sorts the list in-place
- list = [string.split](#)([separator])
  - if breaks the string into pieces and returns a list containing the pieces
  - the pieces are delineated by the separator; the separator does not appear in the resulting list
  - if no separator is supplied, “white space” is used