Python Cheatsheet

STRING MANIPULATION

Length
Find length of string .... len(string)

Finding Characters
Return number of instance of string in string .... word.count("l")
Return idx of letter in string ...... word.find("l")
Return idx of string in string . word.index(string)

Split Strings
Split string by a char .... string.split(' ')

String Repetition
Repeat string 10 times .... print(string*10)

Replace
Replace string with string .. string.replace(replace this, with this)

Change String Case
To uppercase .... string.upper()
To lowercase .... string.lower()
Capitalize first letter of each word .. string.title()
Capitalize first char .... string.capitalize()
Reverse capitalization .... string.swapcase()

Reverse String
Reverse String .... ''.join(reversed(string))

Strip String
Remove extra chars from string .... string.strip()

Join Strings
Add string between each char .... ":".join(string)

Testing(returns boolean)
Check if alphanumeric .... string.isalnum()
Check if alphabetic .... string.isalpha()
Check if contain digits .... string.isdigit()
Check if is a title .... string.istitle()
Check if uppercase .... string.isupper()
Check if lowercase .... string.islower()
Check if contains spaces .... string.isspace()
Check if ends with string . string.endswith(string)
Check if starts with string string.startswith(string)

LIST MANIPULATION

Sort(alphabetically or numerically)
Sort list by order ...... list.sort() OR sorted(list)

Adding to a list
Append to end of list .... list.append(value)
Append to certain idx ...... list.insert(idx, value)
Add a list to another list .... list.extend(list2)

Removing elements from list
Remove a certain value .... list.remove(value)
Remove value from given idx .... del list[idx]
Remove value at idx and return it .. list.pop(idx)

Count
Return count of val in list .... list.count(value)
Test if value is in list .... if val in list:

RANGE FUNCTION

- range(stop)

- range(start, stop)

- range(start, stop, step)

STANDARD INPUT

Import .... from sys import stdin
Redirect input file .... program.py < input.txt
Read line .... stdin.readline()
Read all lines in file .... stdin.readlines()