String Methods

This is a list of common string methods. In it, S is the string to which the method is applied, and s and t are other strings.

Operation	Description
S.capitalize()	If the first character of S is a letter, capitalize it
$S.\mathtt{count}(s)$	Count the number of times s occurs in S
$S.\mathtt{endswith}(s)$	True if S ends with s ; False otherwise
$S.\mathtt{find}(s)$	Return the index of the first occurrence of s in S ; -1 if s not in S
$S.\mathtt{index}(s)$	Return the index of the first occurrence of s in S ;
	ValueError exception if s not in S
S.isalnum()	True if S contains only alphanumerics (letters and digits);
	False otherwise
S.isalpha()	True if S contains only alphabetics (letters); False otherwise
$S.\mathtt{isdigit}()$	True if S contains only digits; False otherwise
S.islower()	True if all letters in S are lower case; False otherwise
S.isspace()	True if S contains only white space; False otherwise
S.isupper()	True if all letters in S are upper case; False otherwise
S.lower()	Change all upper case letters in S to lower case
S.lstrip()	Delete all leading white space from S and return the result
S.replace(s,t)	Replace all occurrences of s with t in S
S.rfind(s)	Return the index of the last occurrence of s in S ; -1 if s not in S
S.rindex(s)	Return the index of the last occurrence of s in S ;
	ValueError exception if s not in S
$S.\mathtt{rstrip}()$	Delete all trailing white space from S
$S.\mathtt{strip}()$	Delete all leading and trailing white space from S
$S.\mathtt{swapcase}()$	Change all upper case letters in S to lower case and all
-	lower case letters to upper case
$S.\mathtt{title()}$	Capitalize each word in S
$S.\mathtt{upper()}$	Change all lower case letters in S to upper case

List Methods

This is a list of list methods. In it, L is the list to which the method is applied, M is a list, x is an element to be added to, looked for, or removed from, a list, and i is an index of a list element.

Operation	Description
L.append(x)	Append element x to L
$L.\mathtt{count}(x)$	Count the number of times x occurs in L
$L.\mathtt{extend}(M)$	Extend L by adding the elements of M at the end
$L.\mathtt{index}(x)$	Return the index of the first occurrence of x in L ;
	ValueError exception if x not in L
$L.\mathtt{insert}(i,x)$	Insert x at position i in L
$L.\mathtt{pop}()$	Remove and return the last element of L
$L.\mathtt{pop}(i)$	Remove and return the element of L at position i ;
	IndexError exception if i out of range
$L.\mathtt{remove}(x)$	Remove the first occurrence of x from L ; ValueError ex-
	ception if x not in L
$L.\mathtt{reverse}()$	Reverse L in place (does not make a copy)
$L.\mathtt{sort}()$	Sort L in place (does not make a copy)