STRING METHODS

Table 8-1 Some string testing methods

Method	Description
isalnum()	Returns true if the string contains only alphabetic letters or digits and is at least one character in length. Returns false otherwise.
isalpha()	Returns true if the string contains only alphabetic letters and is at least one character in length. Returns false otherwise.
isdigit()	Returns true if the string contains only numeric digits and is at least one character in length. Returns false otherwise.
islower()	Returns true if all of the alphabetic letters in the string are lowercase, and the string contains at least one alphabetic letter. Returns false otherwise.
isspace()	Returns true if the string contains only whitespace characters and is at least one character in length. Returns false otherwise. (Whitespace characters are spaces, newlines (\n), and tabs (\t).
isupper()	Returns true if all of the alphabetic letters in the string are uppercase, and the string contains at least one alphabetic letter. Returns false otherwise.

Table 8-2 String Modification Methods

Method	Description
`lower()`	Returns a copy of the string with all alphabetic letters converted to lowercase. Any character that is already lowercase, or is not an alphabetic letter, is unchanged.
`lstrip()`	Returns a copy of the string with all leading whitespace characters removed. Leading whitespace characters are spaces, newlines (`\n`), and tabs (`\t`) that appear at the beginning of the string.
`lstrip(char)`	The `char` argument is a string containing a character. Returns a copy of the string with all instances of `char` that appear at the beginning of the string removed.
`rstrip()`	Returns a copy of the string with all trailing whitespace characters removed. Trailing whitespace characters are spaces, newlines (`\n`), and tabs (`\t`) that appear at the end of the string.
`rstrip(char)`	The `char` argument is a string containing a character. The method returns a copy of the string with all instances of `char` that appear at the end of the string removed.
`strip()`	Returns a copy of the string with all leading and trailing whitespace characters removed.
`strip(char)`	Returns a copy of the string with all instances of `char` that appear at the beginning and the end of the string removed.
`upper()`	Returns a copy of the string with all alphabetic letters converted to uppercase. Any character that is already uppercase, or is not an alphabetic letter, is unchanged.

Table 8-3 Search and replace methods

Method	Description
endswith(substring)	The substring argument is a string. The method returns true if the string ends with substring.
find(substring)	The substring argument is a string. The method returns the lowest index in the string where substring is found. If substring is not found, the method returns −1.
replace(old, new)	The old and new arguments are both strings. The method returns a copy of the string with all instances of old replaced by new.
startswith(substring)	The substring argument is a string. The method returns true if the string starts with substring.