

Questions 5

Strings and explore default methods.

Sr.No.	Methods & Description
1	<u><code>capitalize()</code></u> Capitalizes first letter of string
2	<u><code>center(width, fillchar)</code></u> Returns a string padded with <i>fillchar</i> with the original string centered to a total of <i>width</i> columns.
3	<u><code>count(str, beg = 0,end = len(string))</code></u> Counts how many times <i>str</i> occurs in <i>string</i> or in a substring of <i>string</i> if starting index <i>beg</i> and ending index <i>end</i> are given.
4	<u><code>decode(encoding = 'UTF-8',errors = 'strict')</code></u> Decodes the string using the codec registered for encoding. encoding defaults to the default string encoding.
5	<u><code>encode(encoding = 'UTF-8',errors = 'strict')</code></u> Returns encoded string version of <i>string</i> ; on error, default is to raise a <i>ValueError</i> unless errors is given with 'ignore' or 'replace'.
6	<u><code>endswith(suffix, beg = 0, end = len(string))</code></u> Determines if <i>string</i> or a substring of <i>string</i> (if starting index <i>beg</i> and ending index <i>end</i> are given) ends with <i>suffix</i> ; returns true if so and false otherwise.
7	<u><code>expandtabs(tabsize = 8)</code></u> Expands tabs in <i>string</i> to multiple spaces; defaults to 8 spaces per tab if <i>tabsize</i> not provided.
8	<u><code>find(str, beg = 0 end = len(string))</code></u> Determine if <i>str</i> occurs in <i>string</i> or in a substring of <i>string</i> if starting index <i>beg</i> and ending index <i>end</i> are given returns index if found and -1 otherwise.
9	<u><code>index(str, beg = 0, end = len(string))</code></u> Same as <code>find()</code> , but raises an exception if <i>str</i> not found.

10	<u>isalnum()</u> Returns true if string has at least 1 character and all characters are alphanumeric and false otherwise.
11	<u>isalpha()</u> Returns true if string has at least 1 character and all characters are alphabetic and false otherwise.
12	<u>isdigit()</u> Returns true if string contains only digits and false otherwise.
13	<u>islower()</u> Returns true if string has at least 1 cased character and all cased characters are in lowercase and false otherwise.
14	<u>isnumeric()</u> Returns true if a unicode string contains only numeric characters and false otherwise.
15	<u>isspace()</u> Returns true if string contains only whitespace characters and false otherwise.
16	<u>istitle()</u> Returns true if string is properly "titlecased" and false otherwise.
17	<u>isupper()</u> Returns true if string has at least one cased character and all cased characters are in uppercase and false otherwise.
18	<u>join(seq)</u> Merges (concatenates) the string representations of elements in sequence seq into a string, with separator string.
19	<u>len(string)</u> Returns the length of the string
20	<u>ljust(width[, fillchar])</u> Returns a space-padded string with the original string left-justified to a total of width columns.

21	<u><code>lower()</code></u> Converts all uppercase letters in string to lowercase.
22	<u><code>lstrip()</code></u> Removes all leading whitespace in string.
23	<u><code>maketrans()</code></u> Returns a translation table to be used in translate function.
24	<u><code>max(str)</code></u> Returns the max alphabetical character from the string str.
25	<u><code>min(str)</code></u> Returns the min alphabetical character from the string str.
26	<u><code>replace(old, new [, max])</code></u> Replaces all occurrences of old in string with new or at most max occurrences if max given.
27	<u><code>rfind(str, beg = 0, end = len(string))</code></u> Same as find(), but search backwards in string.
28	<u><code>rindex(str, beg = 0, end = len(string))</code></u> Same as index(), but search backwards in string.
29	<u><code>rjust(width,[, fillchar])</code></u> Returns a space-padded string with the original string right-justified to a total of width columns.
30	<u><code>rstrip()</code></u> Removes all trailing whitespace of string.
31	<u><code>split(str="", num=string.count(str))</code></u> Splits string according to delimiter str (space if not provided) and returns list of substrings; split into at most num substrings if given.
32	<u><code>splitlines(num=string.count('\n'))</code></u> Splits string at all (or num) NEWLINEs and returns a list of each line with NEWLINEs removed.

33	<u>startswith(str, beg=0,end=len(string))</u> Determines if string or a substring of string (if starting index beg and ending index end are given) starts with substring str; returns true if so and false otherwise.
34	<u>strip([chars])</u> Performs both lstrip() and rstrip() on string
35	<u>swapcase()</u> Inverts case for all letters in string.
36	<u>title()</u> Returns "titlecased" version of string, that is, all words begin with uppercase and the rest are lowercase.
37	<u>translate(table, deletechars="")</u> Translates string according to translation table str(256 chars), removing those in the del string.
38	<u>upper()</u> Converts lowercase letters in string to uppercase.
39	<u>zfill (width)</u> Returns original string leftpadded with zeros to a total of width characters; intended for numbers, zfill() retains any sign given (less one zero).
40	<u>isdecimal()</u> Returns true if a unicode string contains only decimal characters and false otherwise.