7/1/2022

Slicing Of string:-
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slice means a piece

+ve-:- 0   1   2   3   4   5   6

s = ' S   c   o   d   e   e   n'

- ve:- -7   -6   -5   -4   -3   -2   -1

[] operatoe is called slice operator,which can be used to retrive parts of
string

In python string follows zero based index.

Here is both +ve and -ve index are allowed.

+ve index means forward direction from left to right.
- ve index means backward direction from right to left.

Formulla :-
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variable_name[start_index:end_index+1:steps]

>>> s[0:3]
'Sco'
>>>
>>> s[4:]
'een'
>>> s[:4]
'Scod'
>>> s[:]
'Scodeen'

>>> name = 'Rahul Dravid'
>>> dob = '20-08-2013'
>>> first_sl = name[0:2]
>>> sec_sl = name[6:8]
>>> thr_sl = dob[6:]
>>>
>>> first_sl+sec_sl+thr_sl
'RaDr2013'

Negetive:-

```
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>>> s = 'Scodeen'
>>> s[-7:-4]
'Sco'
>>> s[-4:-1]
'dee'
>>> s[3:6]
'dee'
>>>

steps:-
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>>> a = 'i love my country'
>>> a[0:-2:3]
'io  u'
>>> a[0:-1:3]
'io  ur'
>>> a[0:-2:3]
'io  u'
>>>

count of string:-

>>> s = 'Scodeen'
>>> len(s)
7
>>>


Function or method of string:-
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dir():- check the data type or class existing function.

 a = 'thomson'
>>> dir(a)
['capitalize', 'casefold', 'center', 'count', 'encode', 'endswith',
'expandtabs', 'find', 'format', 'format_map', 'index', 'isalnum',
'isalpha', 'isascii', 'isdecimal', 'isdigit', 'isidentifier', 'islower',
'isnumeric', 'isprintable', 'isspace', 'istitle', 'isupper', 'join',
'ljust', 'lower', 'lstrip', 'maketrans', 'partition', 'removeprefix',
'removesuffix', 'replace', 'rfind', 'rindex', 'rjust', 'rpartition',
'rsplit', 'rstrip', 'split', 'splitlines', 'startswith', 'strip',
'swapcase', 'title', 'translate', 'upper', 'zfill']


Imp:-
capitalize,count,endswith,find,format,index,join,lower,replace,split,start
swith,strip,swapcase,upper



How to use any function:-
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dot method:-

class_name.function_name()

data_type_of_variable_name.function_name()