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Python 3.8.0 Shell
File Edit Shell Debug Options Window Help

Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:37:50) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> name = "Charan"
>>> print(name)
Charan
>>> a = 19
>>> print(a)
19
>>> sections = ['a1', 'a2', 'a3', 'a4']
>>> print(sections)
['a1', 'a2', 'a3', 'a4']
>>> dict = {"name": "Charan", "college": "Sathyabama", "yearBorn": 2004}

SyntaxError: invalid syntax
>>> >>> dict = {"name": "Charan", "college": "Sathyabama"}

SyntaxError: invalid syntax
>>> dict = {"name": "Charan", "college": "Sathyabama"}
>>> print(dict)
{'name': 'Charan', 'college': 'Sathyabama'}
>>> x = 2.19
>>> print(type(x))
<class 'float'>
>>> print(x)
2.19
>>> print(type(a))
<class 'int'>
>>> print(type(dict))
<class 'dict'>
>>> print(type(sections))
<class 'list'>
>>>
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'''  
>>> #reverse a string using slicing  
>>> sentence = "Artificial Intelligence"  
>>> reversed = sentence[::-1]  
>>> print(reversed)  
ecmegilletnI laicifitrA  
>>>  
>>>  
>>>  
>>>  
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>>>
>>> #explore dir() & help()
>>> a = [5,6,7]
>>> print(dir(a))
['_add_', '_class_', '_contains_', '_delattr_', '_delitem_', '_dir_', '_doc_', '_eq_', '_format_', '_ge_', '_getattr_', '_getitem_', '_gt_', '_hash_', '_i
add_', '_imul_', '_init_', '_init_subclass_', '_iter_', '_le_', '_len_', '_lt_', '_mul_', '_ne_', '_new_', '_reduce_', '_reduce_ex_', '_repr_', '_reversed_', '_
_rmul_', '_setattr_', '_setitem_', '_sizeof_', '_str_', '_subclasshook_', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop', 'remove', 'reverse', 'sort']
>>> print(a.__len__())
Traceback (most recent call last):
  File "<pyshell#32>", line 1, in <module>
    print(a.__len__())
TypeError: 'list' object is not callable
>>> print(a.__len__)
<method-wrapper '__len__' of list object at 0x000001EAF3B77E80>
>>>
>>>
>>>

>>>
>>> #dir() have no attributes
>>>
>>> e = 5
>>> f = 7
>>> print(dir(e))
['_abs_', '_add_', '_and_', '_bool_', '_ceil_', '_class_', '_delattr_', '_dir_', '_divmod_', '_doc_', '_eq_', '_float_', '_floor_', '_floordiv_', '_format_',
'_ge_', '_getattr_', '_getnewargs_', '_gt_', '_hash_', '_index_', '_init_', '_init_subclass_', '_int_', '_invert_', '_le_', '_lshift_', '_lt_', '_mod_', '_
_mul_', '_ne_', '_neg_', '_new_', '_or_', '_pos_', '_pow_', '_radd_', '_rand_', '_rdivmod_', '_reduce_', '_reduce_ex_', '_repr_', '_rfloordiv_', '_rshift_', '_
_rmod_', '_rmul_', '_ror_', '_round_', '_rpow_', '_rrshift_', '_rshift_', '_rsub_', '_rtruediv_', '_rxor_', '_setattr_', '_sizeof_', '_str_', '_sub_', '_subcla
sshook_', '_truediv_', '_trunc_', '_xor_', 'as_integer_ratio', 'bit_length', 'conjugate', 'denominator', 'from_bytes', 'imag', 'numerator', 'real', 'to_bytes']
>>> print(e.__add__)
<method-wrapper '__add__' of int object at 0x00007FFFD4A99720>
>>> print(e.__float__)
<method-wrapper '__float__' of int object at 0x00007FFFD4A99720>
>>> |

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