```
>>> s = "sggs It"
>>> s.removesuffix()
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
TypeError: str.removesuffix() takes exactly one argument (0 given)
>>> s.removesuffix("It")
 sggs
>>> s = "sggsie&t"
>>> s.replace("ie&t")
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
TypeError: replace expected at least 2 arguments, got 1
>>> s.replace("ie&t","it")
'sggsit'
>>> s = "nanded"
>>> s.rfind('d')
5
>>> s = "hello"
>>> s.rindex()
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
TypeError: rindex() takes at least 1 argument (0 given)
>>> s.rindex(l)
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
NameError: name 'l' is not defined
>>> s.rindex(l'')
File "<stdin>", line 1
s.rindex(l'')
SyntaxError: invalid syntax
>>> s.rindex('l')
3
>>> s.rjust(10)
' hello'
```

"copyright", "credits" or "license" for more information.

Type "help",

```
Python 3.10.12 (main, Mar 22 2024, 16:50:05) [GCC 11.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> s = 3.14
>>> s.as_integer_ratio()
(7070651414971679, 2251799813685248)
>>> print(s.as_integer_ratio())
(7070651414971679, 2251799813685248)
>>> s = 12
>>> s.as_integer_ratio()
(12, 1)
>>> s.bitcount()
Traceback (most recent call last):
    File "stdin>", line 1, in <module>
AttributeError: 'int' object has no attribute 'bitcount'. Did you mean: 'bit_count'?
>>> s = 6
>>> s.bitcount()
Traceback (most recent call last):
    File "stdin>", line 1, in <module>
AttributeError: 'int' object has no attribute 'bitcount'. Did you mean: 'bit_count'?
>>> s = 6
>>> s.bitcount()
Traceback (most recent call last):
    File "<stdin>", line 1, in <module>
AttributeError: 'int' object has no attribute 'bitcount'. Did you mean: 'bit_count'?
>>> s.bit_count()
2
>>> s.bit_count()
3
>>> s = 3+7j
>>> s.conjugate()
(3-7j)
```

```
Type "help", "copyright", "credits" or "license" for more information.

>>> b = b\x00\x10

File "<stdin>", line 1
b = b\x00\x10

SyntaxError: unexpected character after line continuation character
>>> int.from_bytes(b'\x00\x10', 'big') # Output: 16

16

>>> z = 3 + 4j

>>> z.imag

4.0

>>> (3.5).numerator

Traceback (most recent call last):
File "<stdin>", line 1, in <module>

AttributeError: 'float' object has no attribute 'numerator'

>>> (3.5).numerator

Traceback (most recent call last):
File "<stdin>", line 1, in <module>

AttributeError: 'float' object has no attribute 'numerator'

>>> (3.5).numerator

Traceback (most recent call last):
File "<stdin>", line 1, in <module>

AttributeError: 'float' object has no attribute 'numerator'

>>> (3.5).numerator

Traceback (most recent call last):
File "<stdin>", line 1, in <module>

AttributeError: 'float' object has no attribute 'numerator'

>>> 2.real
3.0

>>> (16).to_bytes(2, 'big')
b'\x00\x10'

>>> (3.5)
```

```
File "sstdins", line 1
dictionary[)

SyntaxError: invalid syntax

>>> s = "sggs"

>>> help(s.isalpha())

>>> s.tsalpha()

True

>>> s.tsascti()

True

>>> s.tsdecinal()

False

>>> s = 46

>>> s.tsdecinal()

Traceback (most recent call last):

File "sctdins", line 1, in <module>

AttributeError: 'int' object has no attribute 'isdecimal'

>>> s.tsdecinal()

True

>>> s.tsdecinal()

True

>>> s.isddentifier()

False

>>> s = "sggs"

>>> s.istidentifier()

True

>>> s.istidentifier()

True

>>> s.istower()

True

>>> s.tsnumeric()

False

>>> s = "45'

>>> s = "45'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>> s = 15'

>>
```

```
>>> a.isdigit()
True
>>> s.isidentifier()
True
>>> s = "sggs"
>>> s.islower()
True
>>> s = "nanded"
>>> s.isprintable()
True
>>> s.isspace()
False
>>> s.istitle()
False
>>> s.issuper()
Traceback (most recent call last):

File "<stdin>", line 1, in <module>
AttributeError: 'str' object has no attribute 'issuper'. Did you mean: 'isupper'?
>>> s.issupper()
Traceback (most recent call last):
   File "<stdin>", line 1, in <module>
AttributeError: 'str' object has no attribute 'issupper'. Did you mean: 'isupper'?
>>> s.isupper()
False
>>> S ="'"
>>> s.join(["pallavi","more"])
"pallavi'more"
>>> a = "hello"
>>> a.ljust(5)
'hello'
>>> a.ljust(10)
'hello '
>>> s = "SGGS"
>>> s.lower()
'sggs'
>>>
```

```
Type "help", "copyright", "credits" or "license" for more information.
>>> s = "world is cruel"
>>> s.rpartition(" ")
('world is', ' ', 'cruel')
>>> s.rsplit()
['world', 'is', 'cruel']
>>> s = "hello world"
>>> s.rstrin()
>>> s.rstrip()
'hello world'
>>> s.rsplit(" ")
['hello', 'world']
>>> s = "everything\nis\nfake"
>>> s.splitlines()
['everything', 'is',
>>> s.startswith('e')
                                        'fake']
True
                              world"
>>> s.strip()
'world'
>>> s.swapcase()
' WORLD'
>>> s = "world"
>>> s.title()
'World'
>>> s = "aeiou"
>>> n = '12345'
>>> x = str.maketrans(s,n)
>>> s.translate(x)
'12345'
>>> s = "sggs"
>>> s.upper()
'sggs'
>>> s = "23"
>>> s.zfill()
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
```

```
Python 3.10.12 (main, Mar 22 2024, 16:50:05) [GCC 11.4.0] on linux Type "help", "copyright", "credits" or "license" for more information. >>> x = 2345
>>> X
2345
>>> _
2345
>>> x = 1000
>>> y = 20000
>>> x + y
21000
>>> x - y
-19000
>>> x*y
20000000
>>> x / y
0.05
>>> x % y
1000
>>> x == y
False
>>> x < y
True
>>> x > y
False
>>> x >= y
False
1000
```

```
>>> df(_bulltins_)
['ArithmeticFror', 'AssertionError', 'AttributeError', 'BaseException', 'BlockingIOError', 'BrokenPipeError', 'BufferError', 'BytesWarning',
'ChildProcessError', 'ConnectionAbortedError', 'ConnectionError', 'ConnectionReseError', 'DeprecationAmontal, 'EDF
Error', 'Ellipsis', 'EncodingWarning', 'EnvironMentError', 'Exception', 'False', 'FileNetFoodError', 'FloatingPointError',
'FutureWarning', 'GeneratorExit', 'IOError', 'ImportError', 'ImportMarning', 'IndentationError', 'IndexError', 'Name: 'NatADITECTOR',
'FutureWarning', 'GeneratorExit', 'IOError', 'ImportError', 'NemoryError', 'NaduleNotEcundError', 'Name: 'NotADITECTOR', 'Name: 'NotADITECTOR', 'NotInplemented', 'NotInplemented
```

```
Python 3.10.12 (main, Mar 22 2024, 16:50:05) [GCC 11.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.

>>> x = ("name", "seema", "age", "12")

>>> x.clear()

>>> x = {"name", "age", "bird"}

>>> x.copy()

{ 'age', 'name', 'bird'}

>>> d.fonkeys(x, 'kind')

Traceback (most recent call last):
    File "estdins", line 1, in «module»

NameError: name 'd' is not defined. Did you mean: 'id'?

>>> x.fonkeys(x, 'kind')

Traceback (most recent call last):
    File "estdins", line 1, in «module»

AttributeError: 'see' object has no attribute 'fromkeys'

>>> x = ("name", "seema", "age": "12")

>>> x.seema'

>>> x = ("name": "seema", "age": "12")

>>> x.tems()

dict_tiens(('name', 'seema'), ('age', '12')])

>>> x = ("nane", 'seema", "age": "12")

>>> x.pef('name')

>>> x = ("nane", 'seema", "age": "12")

>>> x.pef('name')

>>> x = ("nane", 'seema", "age": "12")

>>> x.pef('name')

>>> x = ("nane", 'seema", "age": "12")

>>> x.pef('name')

>>> x = ("nane", 'seema", "age": "12")

>>> x.pef('name')

>>> x = ("nane", 'seema", "age": "12")

>>> x = ("college": "seema", "age": "12")
```

```
File "stdins", line 1, in smodule>
AttributeError: 'str' object has no attribute 'expandtads'. Did you mean: 'expandtabs'?
>> s.expandtabs(4)
'Engineering college
>>> help(s.find)
>>> s = "engineering"
>>> s.find(sub(2,5))
Traceback (most recent call last):
File "stdins", line 1, in smodule>
NameError: name 'sub' is not defined. Did you mean: 'sun'?
>>> s.find(2,5)
Traceback (most recent call last):
File "cstdins", line 1, in smodule>
TypeError: must be str, not int
>>> s.find(er)
Traceback (most recent call last):
File "cstdins", line 1, in smodule>
NameError: name 'neer' is not defined
>>> s.find(manded')
5
>>> help(s.form)
Traceback (most recent call last):
File "cstdins", line 1, in smodule>
AttributeError: 'str' object has no attribute 'form'. Did you mean: 'format'?
>>> s = "sggs"
>>> s.count("gg",1,3)
1
>>> s = "sggs"
>>> s.count("gg",1,3)
1
>>> help(s.format)
```

```
>>> help(bin)
>>> bin(2345)
'obiologiologic
>>> help(complex)
>>> complex(34)
(3446))
>>> help(slice)
>>> slice(29)
slice(None, 29, None)
>>> nun = list(range(50))
>>> s = slice(29)
>>> result = nun[s]
>>> rint(result)
[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28]
>>> int x = 6
File "estdins", line 1
int x = 6

SyntaxError: invalid syntax
>>> x = 7
>>> y = 9
>>> breakpoint()
--Return-
- < stdins(1)=module>()->None
(Pdb) print(x)

(Pdb) c
>>>
```

', 'slice', 'sorted', 'staticmethod', 'str', 'sum', 'super', 'tuple', 'type', 'vars', 'zip']
>>> help(bool)

```
1000
>>>
>>>
>>>
>>> x <= y
True
>>> x != y
True
>>> y != x
True
>>> x << y
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ValueError: Exceeds the limit (4300) for integer string conversion; use sys.set_int_max_str
>>> x >> y
0
>>> y << x
2143017214372534641896850098120003621122809623411067214887500776740702102249872244986396757
9155149397149607869135549648461970842149210124742283755908364306092949967163882534797535118
7736744113361387520000
>>> x ** y
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ValueError: Exceeds the limit (4300) for integer string conversion; use sys.set_int_max_str
>>> y ** x
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ValueError: Exceeds the limit (4300) for integer string conversion; use sys.set_int_max_str
>>> ~X
-1001
>>> y > x
True
>>> x : y ? 10:20
  File "<stdin>", line 1
    x: y? 10:20
SyntaxError: invalid syntax
```

```
""hello"
""hello"
"Stifreversed([1,2,3]))
[3, 2, 1]
""round(3.142345,3)
3.142
""> set([1,2,3])
[1, 2, 3]
""> class Myclass:
""

File "«stdin»", line 2

^
IndentationError: expected an indented block after class definition on line 1

""> class Myclass:
""

"" bi " Myclass()
File "«stdin»", line 2

obj = Myclass()

File "«stdin»", line 2

obj = Myclass()

IndentationError: expected an indented block after class definition on line 1

>>> setattr(obj, 'name', 'Alice')

Traceback (most recent call last):
    file "«stdin»", line 1, in «module»

NameError: name 'obj' is not defined

>>> s = slice(3)

>>> list(range(10))[s]
[0, 1, 2, 3, 4]

>>> sorted([3,1,2])
[1, 2, 3]

>>> sun([1,2,3])

6

>> tuple([1,2,3])
(1, 2, 3)

>> tuple([1,2,3])
(1, 2, 3)

>>> tuple([1,2,3])
(1, 2, 3)
```

```
['_annotations_', '_builtins_', '_doc_', '_loader_', '_name_', '_package_', '_return_', '_spec_', 'a', 'ba', 'course', 'myDic' ', 'x', 'y']

>>>

>>> # Now let's import two modules

>>> import math

>>>

>>> print(dir())
['_annotations_, '_builtins_', '_doc_', '_loader_', '_name_', '_package_', '_return_', '_spec_', 'a', 'ba', 'course', 'math' 'myDict', 'random', 'x', 'y']

>>> print('5, 4) = ', divmod(5, 4))

(5, 4) = (1, 1)

>>> print('18, 16) = ', divmod(10, 16))

(10, 15) = (0, 10)

>>> fults = ['apple', 'banana', 'cherry']

>>> enum_fruits = enumerate(fruits)

>>> print(f'Next Element = next(enum_fruits)

>>> x = None

>>> print(eval('x = 4'))

false

>>> print(eval('x is None'))

True

>>> print(eval('x is None'))

True

>>> print("The sum of 5 and 10 is ", (5+10))'

>>> exec(arcag)

The sun of 5 and 10 is 15

>> help(exit)
```

```
globals()['a'] = d
                     print (a)
 ... # Driver Code
    ... func()
File "<stdin>", line 10
         func()
 SyntaxError: invalid syntax
syntaxerror: thvattu syntax
>>> print(globals())
{' name ': '_main__', '_doc__': None, '_package__': None, '_loader__': <class '_frozen_importlib.BuiltinImporter'>, '_spec__': None, '
_annotations__': {}, '_builtins__': <module 'builtins' (built-in)>, 'seq': [0, 1, 2, 3, 5, 8, 13], 'result': <filter object at 0x7606ba5677f
>, 'num': 10.0, 'txt': 'I have {an:.2f} Rupees!', 'nu': (), 'fnum': frozenset(), 'GfG': <class '__main__.GfG'>, 'obj': <__main__.GfG object a
0x7605ba4e47c0>, 'a': 5}
 >>> print("")
 >>> p,q,r,s=10,100,1000,10000
 >>>
>>> print(globals())
{'_name__': '__main__', '__doc__': None, '__package__': None, '__loader__': <class '_frozen_importlib.BuiltinImporter'>, '__spec__': None, '__
annotations__': {}, '__builtins__': <module 'builtins' (built-in)>, 'seq': [0, 1, 2, 3, 5, 8, 13], 'result': <filter object at 0x7606ba5677f
>, 'num': 10.0, 'txt': 'I have {an:.2f} Rupees!', 'nu': (), 'fnum': frozenset(), 'GfG': <class '__main__.GfG'>, 'obj': <__main__.GfG object a
0x7606ba4e47c0>, 'a': 5, 'p': 10, 'q': 100, 'r': 1000, 's': 10000}
>>> # hash() for immutable tuple object
>>> var = ('G','E','E','K')
 >>> print(hash(var))
 -5052158403120423996
 >>> x = 15
  >>> print(hex(x))
 0xf
 >>> help(id)
 >>> x = "sggs"
>>> td(x)
 129771247164912
>>>
```

```
lew', 'min', 'next', 'object', 'oct', 'open', 'ord', 'pow', 'print', 'property', 'quit', 'range', 'repr', 'reversed', 'round', 'set', 'sum', 'super', 'tuple', 'type', 'vars', 'zip']
>>> seq = [0, 1, 2, 3, 5, 8, 13]
>>> # result contains odd numbers of the list
>>> result = filter(lambda x: x % 2 != 0, seq)
>>> print(list(result))
[1, 3, 5, 13]
>>> # convert integer value to float
>>> nun = float(10)
>>> print(num)
10.0
>>> txt = "I have {an:.2f} Rupees!"
>>> print(txt.fornat(an = 4))
I have 4.00 Rupees!
>>> # converting tuple to frozenset
>>> flum = frozenset(nu)
>>> # converting tuple to frozenset
>>> frum = frozenset(nu)
>>> print("frozenset Object is: ", fnum)
frozenset Object is: frozenset()
>>> class of6:
... name = "GeeksforGeeks"
... obj = GfG()
File "<stdin>", line 4
obj = GfG()
File "<stdin>", line 4
obj = GfG()
File "<stdin>", line 4
obj = GfG()
An^
SyntaxFror: invalid syntax
```

```
>>> class course:
... name = "data structures using c++"
... duration_months = 6
... price = 20000
... rating = 5
>>> # creating an object of course
>>> print(course.rating)
 >>>
>>> # deleting the rating attribute from object
>>> delattr(course, 'rating')
 >>> # checking if the rating attribute is there or not
>>> try:
... print(course.rating)
... as e:
 ... except Exception as e:
... print(e)
type object 'course' has no attribute 'rating'
>>> # passing keyword arguments to dict() method
>>> myDict = dict(a=1, b=2, c=3, d=4)
>>> print(myDict)
{'a': 1, 'b': 2, 'c': 3, 'd': 4}
>>> # Python3 code to demonstrate dir()
>>> # when no parameters are passed
>>> # Note that we have not imported any modules
>>> print(dir())
['_annotations_', '_builtins_', '_doc_', '_loader_', '_name_', '_package_', '_return_', '_spec_', 'a', 'ba', 'course', 'myDic', 'x', 'y']
>>>
```

Jyntantilor. Chvatca Jyntan

>>> help(callable)

```
>>> help(classmethod)
>>> classmethod(is)
<classmethod(is)
>>> help(compile)
>>> X = 50
>>> a = compile('x', 'test', 'single')
>>> print(type(a))
<class 'code'>
>>> exec(a)
50
>>> help(complex)
>>> kee(a)
50
>>> help(complex)
>>> complex(x)
(45*-03)
>>> help(copyright)
>>> help(copyright)
>>> help(credits)
>>> credits(5)
Traceback (most recent call last):
File "sstdino", line 1, in snodules
TypeFror: Printer._call_() takes 1 positional argument but 2 were given
>>> import sys

SyntamError: invalid syntax
>>> >>> print(syst.credits)
File "sstdino", line 1
```

>>> bytes(34) >>> help(callable) >>> callable(y) False

>>> ba = bytearray(256)
>>> ba[1] = 1
>>> print(ba)

>>> help(bytearray)

```
F
                                                       Battery low
                                                       Approximately 51 minutes remaining (20%)
>>> x ** y
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ValueError: Exceeds the limit (4300) for integer string conversion; use sys.set int max str
>>> y ** x
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ValueError: Exceeds the limit (4300) for integer string conversion; use sys.set_int_max_str
>>> ~X
-1001
>>> y > x
True
>>> x : y ? 10:20
  File "<stdin>", line 1
    x: y? 10:20
SyntaxError: invalid syntax
>>> x>y ? 10:20
  File "<stdin>", line 1
    x>y ? 10:20
SyntaxError: invalid syntax
>>> x > y ? 10:20
  File "<stdin>", line 1
    x > y ? 10:20
SyntaxError: invalid syntax
>>> b = true
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
NameError: name 'true' is not defined. Did you mean: 'True'?
>>> b = True
>>>
True
>>> X = "123"
>>> type(x)
<class 'str'>
```

>>> dir(_builtins_)

```
0
>>> x.insert(2,9)
>>> x
[1, 3, 9, 1, 1, 6, 5, 6, 9]
>>> x.pop(6)
5
>>> x.remove(5)
Traceback (most recent call last):
File "estdins", line 1, in emodule>
ValueError: list.remove(x): x not in list
>>> x = [1,2,3,4]
>>> x.remove(3)
>>> x.remove(3)
>>> x.revers()
>>> x
[4, 2, 1]
>>> x.sort(reverse= True)
>>> x
[7, 6, 5, 4, 3]
>>> z. count("Tit)
File "estdins", line 1
z.count("Tit)
File "estdins", line 1
z.count("It)
1
>>> z.count("It)
1
>>> z.count("It)
1
>>> z.count("It")
```

>>>

```
>>> help(callable)
>>> def x()
    File "stdin>", line 1
    def x()

SyntaxError: expected ':'
>>> def x():
... a = 5
    File "stdin>", line 2
    a = 5

IndentationError: expected an indented block after function definition on line 1

>>> def x():
... a = 5

File "stdin>", line 1
    def x():
... a = 5

File "stdin>", line 2
    a = 5

IndentationError: expected ':'
>>> def x():
... a = 5

File "stdin>", line 2
    a = 5

IndentationError: expected an indented block after function definition on line 1

>>> def x():
... a = 5

File "stdin>", line 2
    a = 5

>>> callable(x)

True
>>> help

>>> help(chr)
>>> chr(34)
>>> help(classmethod)
```

```
'SGGS'
>>> s = "23"
>>> s.zfill()
Traceback (most recent call last):
   File "<stdin>", line 1, in <module>
TypeError: str.zfill() takes exactly one argument (0 given)
>>> s.zfill(3)
'023'
>>>
```