

variables

```
In [1]: string1="hello"
```

```
In [3]: dir(string1)
```

```
Out[3]: ['__add__',
         '__class__',
         '__contains__',
         '__delattr__',
         '__dir__',
         '__doc__',
         '__eq__',
         '__format__',
         '__ge__',
         '__getattr__',
         '__getitem__',
         '__getnewargs__',
         '__gt__',
         '__hash__',
         '__init__',
         '__init_subclass__',
         '__iter__',
         '__le__',
         '__len__',
         '__lt__',
         '__mod__',
         '__mul__',
         '__ne__',
         '__new__',
         '__reduce__',
         '__reduce_ex__',
         '__repr__',
         '__rmod__',
         '__rmul__',
         '__setattr__',
         '__sizeof__',
         '__str__',
         '__subclasshook__',
         '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',  
'replace',  
'rfind',  
'rindex',  
'rjust',  
'rpartition',  
'rsplit',  
'rstrip',  
'split',  
'splitlines',  
'startswith',  
'strip',  
'swapcase',  
'title',  
'translate',  
'upper',  
'zfill']
```

```
In [4]: string1.capitalize()
```

```
Out[4]: 'Hello'
```

```
In [5]: string1
```

```
Out[5]: 'hello'
```

```
In [6]: string1.split()
```

```
Out[6]: ['hello']
```

```
In [7]: string1.lower()
```

```
Out[7]: 'hello'
```

```
In [9]: c=string1.upper()  
c
```

```
Out[9]: 'HELLO'
```

```
In [10]: a=[1,2,'hello',4]  
type(a)
```

```
Out[10]: list
```

```
In [16]: a=(1,2,'hello',4)
         type(a)
         a.count(1)
```

Out[16]: 1

```
In [15]: dir(a)
         count(a)
         a.count(1)
```

```
-----
NameError                                Traceback (most recent call last)
<ipython-input-15-b7cb2ef1ebac> in <module>
      1 dir(a)
----> 2 count(a)
      3 a.count(1)

NameError: name 'count' is not defined
```

```
In [2]: for x in "banana i'm a fruit":
         print(x)
```

...

```
In [3]: str1="hey there"
         str1
```

Out[3]: 'hey there'

```
In [5]: str1="hey there"
         a="hey there"
```

```
In [8]: a="hey there"
         a.casefold()
         a.encode()
```

Out[8]: b'hey there'

```
In [16]: a="hi hey there"
a.casefold()
a.count()
a.encode()
a.endswith("there")
a.expandtabs()
a.find('h')
a.format()
a.format_map()
a.index('e')
a.isalnum()
a.isalpha()
a.isascii()
a.isdecimal()
a.isdigit()
a.isidentifier()
a.islower()
a.isnumeric()
a.isprintable()
a.isspace()
a.istitle()
a.isupper()
a.join()
a.ljust()
a.lower()
a.lstrip()
a.maketrans()
a.partition()
a.rfind()
a.rindex()
a.rjust()
a.rpartition()
a.rsplitt()
a.rstrip()
a.split()
a.splitlines()
a.startswith()
a.strip()
a.swapcase()
a.title()
a.translate()
a.upper()
a.zfill()
```

File "<ipython-input-16-c3feaa961d71>", line 5

a.endswith("there")

^

IndentationError: unexpected indent

```
In [3]: b="hi hello there!."  
b.endswith(".")
```

Out[3]: True

```
In [4]: b="hi hello there!."  
b.find("r")
```

Out[4]: 12

```
In [5]: b="hi hello there!."  
b.expandtabs(2)
```

Out[5]: 'hi hello there!.'

```
In [6]: b="hi hello there!."  
b.index("t")
```

Out[6]: 9

```
In [9]: b="hi hello there!."  
b.isalnum()
```

Out[9]: False

```
In [10]: b="hi hello there!."  
b.isascii()
```

Out[10]: True

```
In [11]: b="hi hello there!."  
b.isdecimal()
```

Out[11]: False

```
In [12]: b.isdigit()
```

Out[12]: False

```
In [13]: b.isidentifier()
```

Out[13]: False

```
In [14]: b.islower()
```

Out[14]: True

```
In [15]: b.isnumeric()
```

Out[15]: False

```
In [16]: b.isprintable()
```

```
Out[16]: True
```

```
In [17]: b.isspace()
```

```
Out[17]: False
```

```
In [18]: b.isupper()
```

```
Out[18]: False
```

```
In [19]: b.istitle()
```

```
Out[19]: False
```

```
In [20]: d=a.ljust(20)  
print(d,a)
```

```
hi hello there!.      hi hello there!.
```

```
In [21]: a.split()
```

```
Out[21]: ['hi', 'hello', 'there!.']
```

```
In [22]: a.splitlines()
```

```
Out[22]: ['hi hello there!.']
```

```
In [ ]:
```