

strings

```
In [2]: s='python programming'
s[0:6]
```

Out[2]: 'python'

```
In [6]: s='python programming'
s[9:13]
```

Out[6]: 'ogra'

```
In [13]: s='python programming'
len(s)
```

Out[13]: 18

```
In [15]: a=int('8')
a
```

Out[15]: 8

```
In [20]: s='python programming'
print(s[-1::-1])
```

gnimmargorp nohtyp

```
In [21]: print(dir(str))
```

```
['__add__', '__class__', '__contains__', '__delattr__', '__dir__', '__doc__',
 '__eq__', '__format__', '__ge__', '__getattribute__', '__getitem__', '__getnewa
rgs__', '__gt__', '__hash__', '__init__', '__init_subclass__', '__iter__', '__l
e_', '__len__', '__lt__', '__mod__', '__mul__', '__ne__', '__new__', '__reduce
__', '__reduce_ex__', '__repr__', '__rmod__', '__rmul__', '__setattr__', '__siz
eof__', '__str__', '__subclasshook__', 'capitalize', 'casefold', 'center', 'cou
nt', 'encode', 'endswith', 'expandtabs', 'find', 'format', 'format_map', 'inde
x', 'isalnum', 'isalpha', 'isascii', 'isdecimal', 'isdigit', 'isidentifier', 'i
slower', 'isnumeric', 'isprintable', 'isspace', 'istitle', 'isupper', 'join',
'ljust', 'lower', 'lstrip', 'maketrans', 'partition', 'replace', 'rfind', 'rind
ex', 'rjust', 'rpartition', 'rsplit', 'rstrip', 'split', 'splitlines', 'startsw
ith', 'strip', 'swapcase', 'title', 'translate', 'upper', 'zfill']
```

```
In [29]: st='program'
x=st.capitalize()
print(x)
```

Program

```
In [50]: s='TiRuMuLa CoLLeGE'
t=0
d=0
e=0
for i in s:

    t=t+1
elif(i.isupper()==True):
    d=d+1
else:
    e=e+1
print('number of lower letter :',t)
print('number of upper letter :',d)
print('number of captial letter :',e)
```

File "<ipython-input-50-36480d1c17fa>", line 6

```
    if(i.islower()==True):
```

^

IndentationError: expected an indented block

```
In [51]: s='APPSdc'
print(s.lower())
```

appsdc

```
In [52]: s='tiraojljhohl'
uc=0
ic=0
tu=0
for i in s:
    if(i.isupper()==True):
```

t
i
r
a
o
j
l
j
h
o
h
l

```
In [18]:
```

```
s="c py cpp c c py java java java"
for i in s:
    print(s)
```

[illegible]

[illegible]

```
In [50]: s="c py cpp c c py java java java"
c=0
py=0
java=0
cpp=0
l=s.split( )
print(l)
for i in l:
    if(i=='c'):
        c+=1
    elif(i=='py'):
        py+=1
    elif(i=='java'):
        java+=1
    else:
        cpp+=1
print('c',c)
print('py',py)
print('java',java)
print('cpp',cpp)
```

```
['c', 'py', 'cpp', 'c', 'c', 'py', 'java', 'java', 'java']
c 3
py 2
java 3
cpp 1
```

```
In [47]: s="tirumala@engineering"
x=s.split('@')
print(x)
```

```
['tirumala', 'engineering']
```

```
In [52]: l=['a','e','r','m','n']
print(len(l))
```

```
5
```

list

```
In [63]: l=['a','e','r','7.8','n','u']
print(l)
print(len(l))
print(l[5])
print(l[-1::-1])
l[1:3]
```

```
['a', 'e', 'r', '7.8', 'n', 'u']
6
u
['u', 'n', '7.8', 'r', 'e', 'a']
```

Out[63]: ['e', 'r']

```
In [72]: l=['a','q','r','f','e','1234']
print(l)
print(l[-1::-1])
print(l[1::-1])
```

```
['a', 'q', 'r', 'f', 'e', '1234']
['1234', 'e', 'f', 'r', 'q', 'a']
['q', 'a']
```

```
In [5]: print(dir(dict))
```

```
['__class__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__'
_, '__eq__', '__format__', '__ge__', '__getattribute__', '__getitem__', '__gt__'
_, '__hash__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__'
_, '__lt__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__',
'__reversed__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__subcl
asshook__', 'clear', 'copy', 'fromkeys', 'get', 'items', 'keys', 'pop', 'popite
m', 'setdefault', 'update', 'values']
```

```
In [8]: print('hello find e dict world')
```

```
hello find e dict world
```

```
In [17]: t=('h','d','l')
t2=('hp','dell','lenovo')
dict.fromkeys(t2)
```

Out[17]: {'hp': None, 'dell': None, 'lenovo': None}

```
In [21]: L1=[1,2,4,6,6,6,4]
         for i in range():
             type
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-21-5a76d5a73116> in <module>
      1 L1=[1,2,4,6,6,6,4]
----> 2 for i in range():
      3     type(l1)

TypeError: range expected 1 argument, got 0
```

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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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