In [1]:

```
s = "vanitha"
s
```

Out[1]:

```
'vanitha'
```

In [2]:

```
s1 = "123"
s1
```

Out[2]:

```
'123'
```

In [3]:

```
s2 = "@%!*%"
s2
```

Out[3]:

```
'@%!*%'
```

In [4]:

```
f = "asdf!!^&^^224535"
f
```

Out[4]:

```
'asdf!!^&^^224535'
```

In [13]:

```
f1 = "python"
print(f1,type(f1))
print(f1[0],f1[1],f1[2])
```

```
python <class 'str'>
p y t
```

In [14]:

```
print(len(f1))
```

```
6
```

In [17]:

```
print(f1[-1],f1[-2],f1[-3])
```

```
n o h
```

In [ ]:

```
## slicing:-   extracting sub strings from original string
                    (or)  cutting into pieces
```

In [18]:

```
d = "workshop"
d[0:4]
```

Out[18]:

```
'work'
```

In [21]:

```
d[4:]
```

Out[21]:

```
'shop'
```

In [23]:

```
d[0:8:2]
```

Out[23]:

```
'wrso'
```

In [24]:

```
d[0:8:3]
```

Out[24]:

```
'wko'
```

In [40]:

```
# min(),max(),len(),sorted(),sum()
h = "higoodevng"
print(h)
print(min(h))
print(max(h))
print(len(h))
print(sorted(h))
print(ord(' '))
```

```
higoodevng
d
v
10
['d', 'e', 'g', 'g', 'h', 'i', 'n', 'o', 'o', 'v']
32
```

In [41]:

```
print(dir(str),end=' ')
```

```
['__add__', '__class__', '__contains__', '__delattr__', '__dir__', '__doc_
_', '__eq__', '__format__', '__ge__', '__getattribute__', '__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__', 'capitaliz
e', 'casefold', 'center', 'count', 'encode', 'endswith', 'expandtabs', 'fi
nd', 'format', 'format_map', 'index', 'isalnum', 'isalpha', 'isascii', 'is
decimal', 'isdigit', 'isidentifier', 'islower', 'isnumeric', 'isprintabl
e', 'isspace', 'istitle', 'isupper', 'join', 'ljust', 'lower', 'lstrip',
'maketrans', 'partition', 'replace', 'rfind', 'rindex', 'rjust', 'rpartiti
on', 'rsplit', 'rstrip', 'split', 'splitlines', 'startswith', 'strip', 'sw
apcase', 'title', 'translate', 'upper', 'zfill']
```

In [43]:

```
# capitalize()
j = "book pencil "
j.capitalize()
```

Out[43]:

```
'Book pencil '
```

In [44]:

```
# title()
h1 = "python workshop "
h1.title()
```

Out[44]:

```
'Python Workshop'
```

In [61]:

```
# upper(),lower()
g = "jhgguighhGHFGHF"
g.upper()
```

Out[61]:

```
'JHGGUIGHHGHFGHF'
```

In [63]:

```
g1 = "HGFJHGhjhjgj"
g1.lower()
```

Out[63]:

```
'hgfjhghjhjgj'
```

In [47]:

```
# swapcase()
g = "FTgfhTRTjhkj"
g.swapcase()
```

Out[47]:

```
'ftGFHtrtJHKJ'
```

In [50]:

```
# startswith()
f = "python"
print(f.startswith("p"))
print(f.startswith("y"))
```

```
True
False
```

In [53]:

```
# endswith()
print(f.endswith('n'))
print(f.endswith('p'))
```

```
True
False
```

In [65]:

```
#  casefold()
v = "GOOd Evening to aLL HGJHGhgjhg"
v.casefold()
```

Out[65]:

```
'good evening to all hgjhghgjhg'
```

In [58]:

```
# center
j = "apple"
j.center(10)
```

Out[58]:

```
'  apple   '
```

In [59]:

```
# count()
c = "parrot"
c.count('r')
```

Out[59]:

```
2
```

In [72]:

```
# find,rfind()
z = "workshop"
print(z.find('o'))
print(z.rfind('o'))
print(z.find('b'))
```

...

In [74]:

```
# index(),rindex()
print(z.index('o'))
print(z.rindex('o'))
print(z.index('z'))
```

...

In [77]:

```
# isalnum(),isalpha(),isspace()
# isalpha()
n = "Come"
n.isalpha()
```

Out[77]:

```
True
```

In [83]:

```
# isalnum()
n1 = "67576"
n1.isalnum()
```

Out[83]:

```
True
```

In [86]:

```
# isdigit()
v1 = "65766"
v1.isdigit()
```

Out[86]:

```
True
```

In [89]:

```
# isspace()
f = "    "
f.isspace()
```

Out[89]:

```
True
```

In [92]:

```
# istitle()
s = "Apple Banana Grape"
s.istitle()
```

Out[92]:

```
True
```

In [95]:

```
# isupper()
k="JKHKJHK"
k.isupper()
```

Out[95]:

```
True
```

In [98]:

```
k1 = "jhgjhghg"
k1.islower()
```

Out[98]:

```
True
```

In [99]:

```
# replace()
n = "work"
n.replace('r','d')
```

Out[99]:

```
'wodk'
```

In [100]:

```
n
```

Out[100]:

```
'work'
```

In [101]:

```
# split()
h = "hi gd evng to all"
h.split()
```

Out[101]:

```
['hi', 'gd', 'evng', 'to', 'all']
```

In [104]:

```
# zfill()
v = "doll"
v.zfill(50)
```

Out[104]:

```
'00000000000000000000000000000000000000000000doll'
```

In [ ]:

```

```