

Strings

```
In [1]: s='hello world!'
s
```

```
Out[1]: 'hello world!'
```

```
In [2]: print(type(s))

<class 'str'>
```

```
In [3]: text='#this is not comment line bcuz it is inside quotes'
text
```

```
Out[3]: '#this is not comment line bcuz it is inside quotes'
```

```
In [4]: s1=' this is string:' # here is the string in single quotes
s1
```

```
Out[4]: ' this is string:'
```

```
In [5]: s2="this is string :" # here it is the string in double quotes
s2
```

```
Out[5]: 'this is string :'
```

```
In [7]: s3=''' this is the string''' # it is the string in three quotes and it is for
s3
```

```
Out[7]: ' this is the string'
```

```
In [14]: str1="HELLO PYTHON!"
print(str1)
```

```
HELLO PYTHON!
```

```
In [19]: str1=('happy '
              'sunday '
              'Everyone')
print(str1)
```

```
happy sunday Everyone
```

```
In [23]: str2="hey "
str2=str2*4
str2
```

```
Out[23]: 'hey hey hey hey '
```

```
In [24]: len(str2)
```

```
Out[24]: 16
```

String Indexing

```
In [27]: str1=("HELLO EVERYONE")  
str1
```

```
Out[27]: 'HELLO EVERYONE'
```

```
In [28]: str1[0]      # here [] is Indexing
```

```
Out[28]: 'H'
```

```
In [30]: str1[len(str1)-1]  # Last character in string using len function
```

```
Out[30]: 'E'
```

```
In [31]: str1[6]
```

```
Out[31]: 'E'
```

```
In [33]: str1[3]
```

```
Out[33]: 'L'
```

String Slicing

```
In [34]: str1[0:3]
```

```
Out[34]: 'HEL'
```

```
In [35]: str1[0:5]
```

```
Out[35]: 'HELLO'
```

```
In [36]: str1[5:200]
```

```
Out[36]: ' EVERYONE'
```

```
In [37]: str1[0:]
```

```
Out[37]: 'HELLO EVERYONE'
```

```
In [38]: str1[:]
```

```
Out[38]: 'HELLO EVERYONE'
```

```
In [40]: str1[-1]
```

```
Out[40]: 'E'
```

```
In [43]: str1[-1:]
```

```
Out[43]: 'E'
```

```
In [44]: str1[3:10]
```

```
Out[44]: 'LO EVER'
```

```
In [45]: str1[0:6:2]
```

```
Out[45]: 'HLO'
```

```
In [46]: str1[5:10:5]
```

```
Out[46]: ' '
```

```
In [47]: str1[::4]
```

```
Out[47]: 'HOEN'
```

```
In [49]: str1[::]
```

```
Out[49]: 'HELLO EVERYONE'
```

Update And Delete

```
In [50]: del str1  
print(str1)
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[50], line 2  
      1 del str1  
----> 2 print(str1)  
  
NameError: name 'str1' is not defined
```

String Concatenation

```
In [52]: s1="Hello "  
s2="devi"  
s3=s1+s2  
print(s3)
```

```
Hello devi
```

```
In [ ]:
```