

Strings in Python



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Strings

Strings are used to store text data in python

In [2]:

```
text = 'python tutorial'
text
```

Out[2]:

'python tutorial'

text ⇒

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
p	y	t	h	o	n		t	u	t	o	r	i	a	l

In [3]:

```
# access the first character 'p'
text[0]
```

Out[3]:

'p'

In []:

```
# Strings are immutable (you cannot change their characters)
# run the code and see an error
text[1]='d'
```

In [5]:

```
# access substrings 'tutorial'
text[7:15]
```

Out[5]:

'tutorial'

Quiz 1:

Print 'python'?

[Click here for solution](#)

In [8]:

```
# if you don't specify the first and last index it will be considered 0 and end, respectively
text[:6]
```

Out[8]:

'python'

In [10]:

```
text[7:]
```

Out[10]:

'tutorial'

You can use ' ' or " " to store the text data

Multiple lines

In [13]:

```
# write multiple lines with '''
lines = '''python basics
for
Data Science'''
print(lines)
```

```
python basics
for
Data Science
```

In [14]:

```
# \n means new lines  
lines
```

Out[14]:

```
'python basics\nfor\nData Science'
```

Concatenation

In [15]:

```
# use + sign to concatenate two strings  
s1 = "Data"  
s2 = "Science"  
s1 + " " + s2
```

Out[15]:

```
'Data Science'
```

Quiz 2:

```
print "Learn Data Science in 2021 " by concatenation?  
guide: you should convert the number to string.
```

[Click here for solution](#)

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