String Properties and Methods

Trusted ✎ | Python 3 ◯

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

Immutability

In [3]:   `name = "Sam"`

In [4]:   `name[0] = 'P'`

```
--------------------------------------------------------------------
-------------
TypeError                               Traceback (most rece
nt call last)
<ipython-input-4-fa268c36288a> in <module>()
----> 1 name[0] = 'P'

TypeError: 'str' object does not support item assignment
```

Trusted ✎ | Python 3 ○
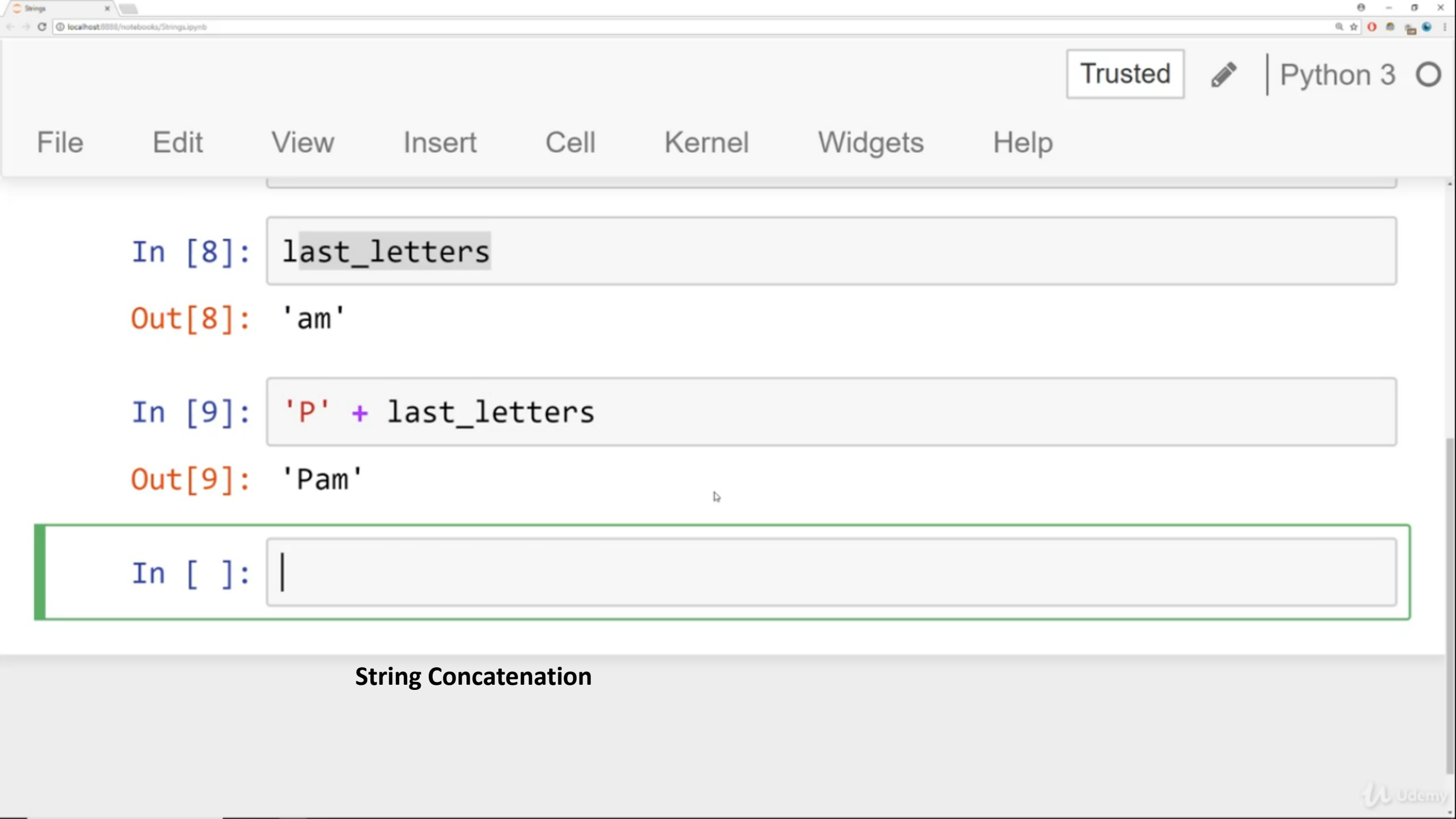
File   Edit   View   Insert   Cell   Kernel   Widgets   Help

```python
In [5]: # name[0] = 'P'
```

```python
In [7]: last_letters = name[1:]
```

```python
In [8]: last_letters
```

```
Out[8]: 'am'
```

```python
In [ ]:
```

localhost:8888/notebooks/Strings.ipynb

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

```
In [8]: last_letters
```

Out[8]: 'am'

```
In [9]: 'P' + last_letters
```

Out[9]: 'Pam'

```
In [ ]:
```

String Concatenation

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

Out[9]:   'Pam'

In [10]: ```
          x = 'Hello World'
          ```

In [11]:  ```
          x + "it is beautiful outside!"
          ```

Out[11]: 'Hello Worldit is beautiful outside!'

In [ ]:

Trusted | Python 3 ○

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

```
In [10]: x = 'Hello World'
```

```
In [15]: x = x + " it is beautiful outside!"
```

```
In [16]: x
```

Out[16]: 'Hello World it is beautiful outside! it is beautiful outsid
         e!'

```
In [ ]:
```

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

Out[20]:   'Hello world it is beautiful outside! it is beautiful outside! it is beautiful outside! it is beautiful outside!'

In [21]:   letter = 'z'

In [22]:   letter * 10

Out[22]:   'zzzzzzzzzz'

In [ ]:

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

```
In [23]: 2 + 3
```

Out[23]: 5

```
In [24]: '2' + '3'
```

Out[24]: '23'

```
In [ ]:
```

File   Edit   Cell   Kernel   Widgets   Help

```
x.rpartition
x.rsplit
x.rstrip
x.split
x.splitlines
x.startswith
x.strip
x.swapcase
x.title
x.translate
```

In [24]:

Out[24]:

In [25]:   d'

In [ ]: x.

**After typing press 'Tab'
then you will get this**

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

Out[24]: '23'

In [25]: x = 'Hello World'

In [26]: x.upper()

Out[26]: 'HELLO WORLD'

In [ ]:

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

In [29]: x

Out[29]: 'Hello World'

In [31]: x.lower()

Out[31]: 'hello world'

In [ ]:

Trusted | Python 3 ○

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

```
In [31]: x.lower()
```

Out[31]: 'hello world'

```
In [32]: x.split()
```

Out[32]: ['Hello', 'World']

```
In [ ]:
```

Out[32]: ['Hello', 'World']

In [33]: x = 'Hi this is a string'

In [34]: x.split()

Out[34]: ['Hi', 'this', 'is', 'a', 'string']

In [ ]:

```
Out[32]: ['Hello', 'World']
```

```
In [33]: x = 'Hi this is a string'
```

```
In [35]: x.split('i')
```

```
Out[35]: ['H', ' th', 's ', 's a str', 'ng']
```

```
In [ ]:
```