Python -
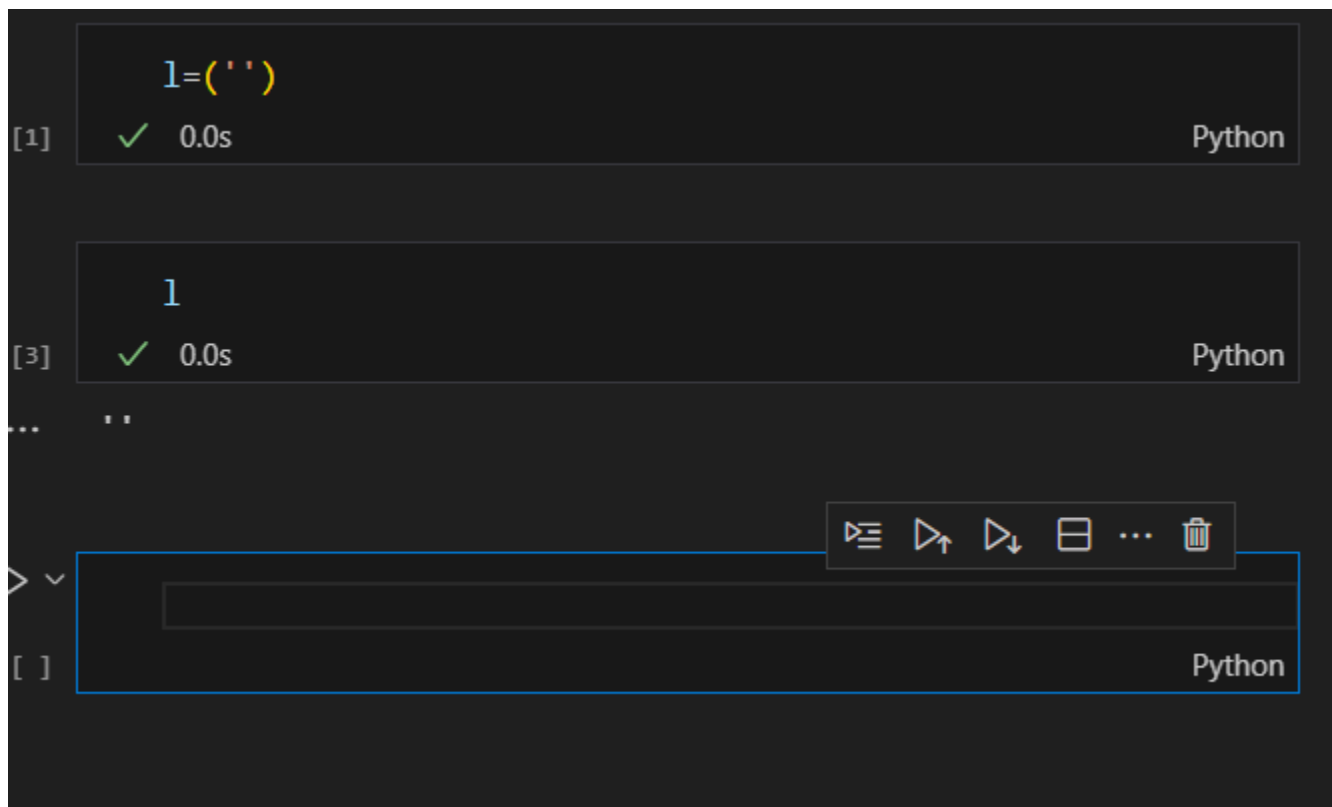
String Assignment

Questions

Assignment

Q1Q How can we store a single quote (') as a string in a variable?

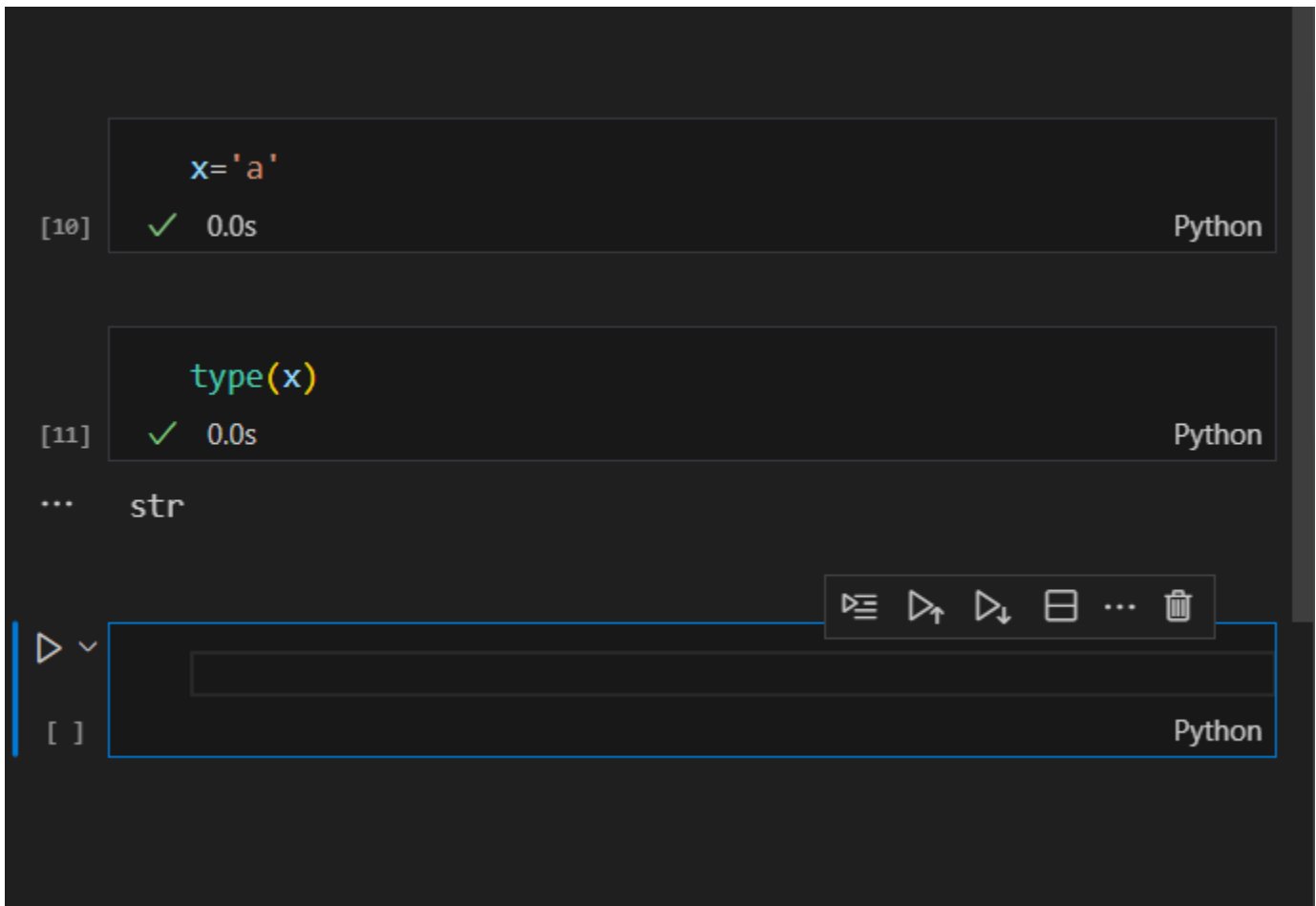Ans : Yes, it is posibile to store a single quote (') as a string in a variable

```
l=('')
```
[1] ✓ 0.0s   Python

```
l
```
[3] ✓ 0.0s   Python

''

[ ]   Python

Q2Q Refer the below variable:

x = 'a'

Here, is x a character type or string type variable? Support your answer with an explanation.

Ans : x is a string type variable not a character type

```python
x='a'
```
[10] ✓ 0.0s   Python

```python
type(x)
```
[11] ✓ 0.0s   Python

... str

[ ]   Python

Q3QApply the following functions on this variable: 'Welcome to Python foundation course'
1. find ( )
2. count( )
3. len( )
4. Concatenation

Note: You can use your choice of parameters But make sure it is correct.

Ans:

```python
pwskills= 'welcome to Python foundation course'
```
[41] ✓ 0.0s   Python

```python
pwskills.find('python')
```
[42] ✓ 0.0s   Python

·   -1

```python
pwskills.count('P')
```
[43] ✓ 0.0s   Python

·   1

```python
len(pwskills)
```
[44] ✓ 0.0s   Python

·   35

```python
pwskills1= 'welcome to python'
pwskills2= ' foundation coursse'
```
[3] ✓ 0.0s   Python

```python
concatenation_pwskills = pwskills1 + pwskills2
```
[4] ✓ 0.0s   Python

```python
concatenation_pwskills
```
[5] ✓ 0.0s   Python

· 'welcome to python foundation coursse'

Q4. For the variable: wor = 'PanaJi@12256'

Calculate the following:

    (a) Total number of alphabets in lowercase

    (b) Total number of alphabets in uppercase

    (c) Total number of numerical in string

Ans :

```python
word = 'PanaJi@12256'
lowercase_count = sum(1 for char in word if char.islower())
uppercase_count = sum(1 for char in word if char.isupper())
numeral_count = sum(1 for char in word if char.isdigit())
```
[63] ✓ 0.0s

```python
lowercase_count
```
[64] ✓ 0.0s

... 4

```python
uppercase_count
```
[65] ✓ 0.0s

... 2

```python
numeral_count
```
[66] ✓ 0.0s

... 5

Q5Q Write a code to store a numerical value inside a variable then convert it into string.

Ans:

```
numerical_value = 42
numerical_string = str(numerical_value)
```

[2] ✓ 0.0s

```
numerical_string
```

[3] ✓ 0.0s

...   '42'

Python Foundations