

Session 5 - Sequence part 2 - A.U. 23-24

November 29, 2023

```
[2]: s2="je m'appelle \"arwa\""  
print(s2)  
s2
```

je m'appelle "arwa"

```
[2]: 'je m\'appelle "arwa"'
```

```
[4]: s3='''il'fait beau.  
je vais à l'école  
je rentre.  
'''  
print(s3)  
s3
```

il'fait beau.
je vais à l'école
je rentre.

```
[4]: "il'fait beau.\nje vais à l'école\nje rentre.\n"
```

```
[10]: s="it's a good day"  
# s[17]  
s[-1]  
s[-15]  
s[-16]
```

```
-----  
IndexError                                Traceback (most recent call last)  
Untitled-5.ipynb Cell 3 line 5
```

```
    <a href='vscode-notebook-cell:Untitled-5.ipynb?  
→jupyter-notebook#W2sdW50aXRszWQ%3D?line=2'>3</a> s[-1]  
    <a href='vscode-notebook-cell:Untitled-5.ipynb?  
→jupyter-notebook#W2sdW50aXRszWQ%3D?line=3'>4</a> s[-15]  
----> <a href='vscode-notebook-cell:Untitled-5.ipynb?  
→jupyter-notebook#W2sdW50aXRszWQ%3D?line=4'>5</a> s[-16]
```

IndexError: string index out of range

```
[12]: print(s3)
```

```
il'fait beau.  
je vais à l'école  
je rentre.
```

```
[15]: s3[13]  
print(s3[13])  
s3[13]
```

```
[15]: '\n'
```

```
[20]: s1='it\'s a good day' # <\'> c'est une cote  
s2="je m'appelle \"arwa\""  
s1+s2  
s2+s1  
new_s=s1+'? '+s2+'!'  
new_s  
print(new_s)
```

```
it's a good day? je m'appelle "arwa"!
```

```
[21]: s
```

```
[21]: "it's a good day"
```

```
[24]: s.index('o')  
s.index('oo')  
s.index('z')
```

ValueError

Traceback (most recent call last)

Untitled-5.ipynb Cell 8 line 3

```
-----  
      <a href='vscode-notebook-cell:Untitled-5.ipynb?  
→jupyter-notebook#X10sdW50aXRzZWQ%3D?line=0'>1</a> s.index('o')  
      <a href='vscode-notebook-cell:Untitled-5.ipynb?  
→jupyter-notebook#X10sdW50aXRzZWQ%3D?line=1'>2</a> s.index('oo')  
----> <a href='vscode-notebook-cell:Untitled-5.ipynb?  
→jupyter-notebook#X10sdW50aXRzZWQ%3D?line=2'>3</a> s.index('z')
```

ValueError: substring not found

```
[26]: s.count('a')
```

```
[26]: 2
```

```
[28]: s.find('o')
      s.find('z')
```

```
[28]: -1
```

```
[29]: l=[1,2,3,'bjr']
      l.find(1)
```

```
-----
AttributeError                                Traceback (most recent call last)
Untitled-5.ipynb Cell 11 line 2

      <a href='vscode-notebook-cell:Untitled-5.ipynb?
      ↪jupyter-notebook#X13sdW50aXRzZWQ%3D?line=0'>1</a> l=[1,2,3,'bjr']
----> <a href='vscode-notebook-cell:Untitled-5.ipynb?
      ↪jupyter-notebook#X13sdW50aXRzZWQ%3D?line=1'>2</a> l.find(1)

AttributeError: 'list' object has no attribute 'find'
```

```
[30]: s
```

```
[30]: "it's a good day"
```

```
[40]: len(s)
      s[12:1000]
      # s[a:b:1]
      s[1000:1000000]
      s[-1000:1000000]
      s[-1000:-1]
      s[a,b]==s[max(a,0),min(b,len(s))]
```

```
[40]: "it's a good day"
```

```
[53]: s[::-2]
      s[3:-1]
      len(s[3:-1])
      s[3:-1].upper()
      # s[0]='I'
      s='I'+s[1:]
```

```
s=s[:s.index('a')]+ 'A'+s[s.index('a')+1:]
```

```
[55]: s=s[:s.index('a')]+ 'A'+s[s.index('a')+1:]
```

```
[59]: list('fsdfsdfsdfsdfs')
list(range(1,99,7))
```

```
[59]: [1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92]
```

```
[61]: l=[1,2,'bjr',True,(1,2)]
l[17]
```

```
-----
IndexError                                Traceback (most recent call last)
Untitled-5.ipynb Cell 17 line 2

      <a href='vscode-notebook-cell:Untitled-5.ipynb?
    ↪jupyter-notebook#X22sdW50aXRzZWQ%3D?line=0'>1</a> l=[1,2,'bjr',True,(1,2)]
----> <a href='vscode-notebook-cell:Untitled-5.ipynb?
    ↪jupyter-notebook#X22sdW50aXRzZWQ%3D?line=1'>2</a> l[17]

IndexError: list index out of range
```

```
[69]: l=[1,2,'bjr',True,(1,2)]
10=['a','b',-1j,2.5]
11=['c',2]
l+[100]
l=l+[100]
l.append([20,20])
l.append('bjr')
l.extend([20,20])
l.extend('salut')
l
```

```
[69]: [1,
2,
'bjr',
True,
(1, 2),
100,
[20, 20],
'bjr',
20,
20,
's',
'a',
'l',
```

```
'u',  
't']
```

```
[75]: l=[1,2,'bjr',True,(1,2)]  
      # l.pop(0)  
      l.remove('bjr')  
      # l.pop(10)  
      l
```

```
[75]: [1, 2, True, (1, 2)]
```

```
[76]: l=[1,2,'bjr',True,(1,2)]
```

```
[81]: l.reverse()  
      l
```

```
[81]: [1, 2, 'bjr', True, (1, 2)]
```

```
[82]: l.sort()
```

```
-----  
TypeError                                Traceback (most recent call last)  
Untitled-5.ipynb Cell 22 line 1  
----> <a href='vscode-notebook-cell:Untitled-5.ipynb?  
      ↪jupyter-notebook#X30sdW50aXRzZWQ%3D?line=0'>1</a> l.sort()  
  
TypeError: '<' not supported between instances of 'str' and 'int'
```