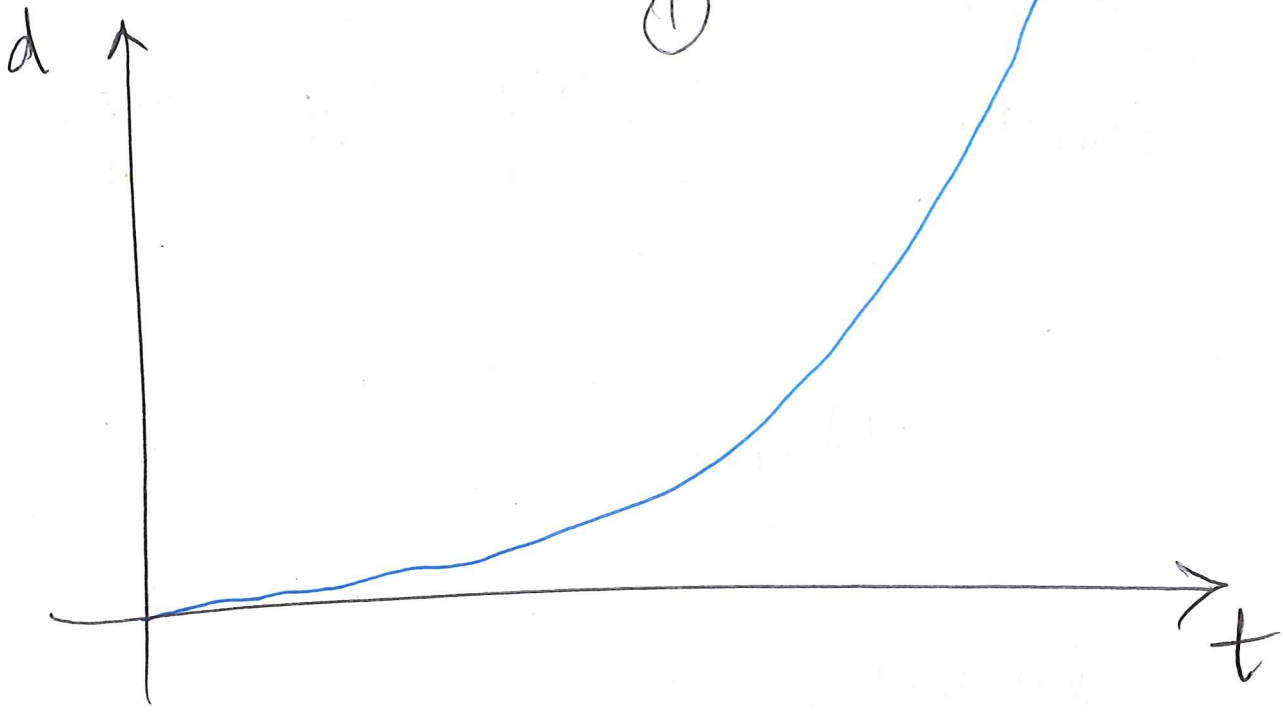


CS 301 - Lecture 17

Advanced topics in functions

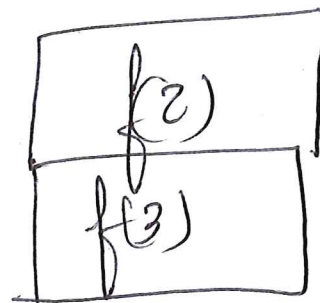
①



Review

Recursion, - dream within a dream.

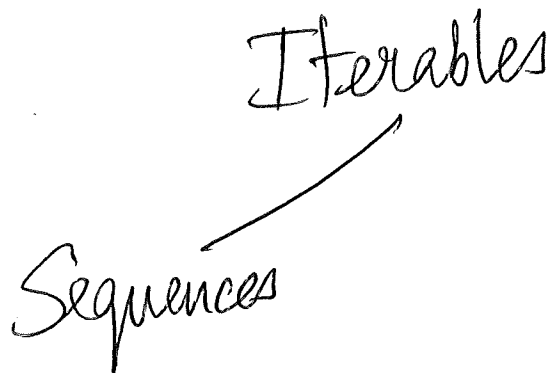
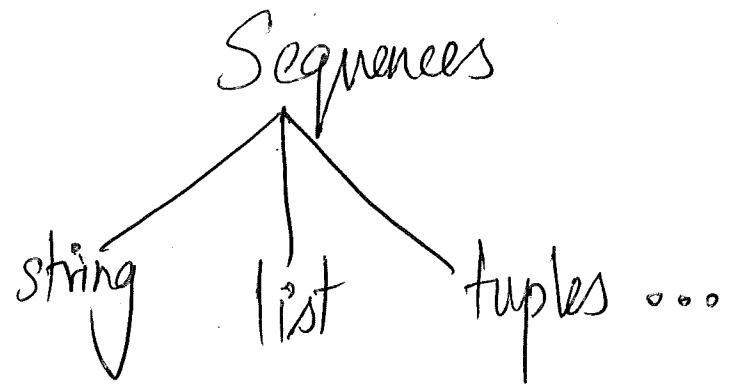
⋮



TODAY

1. Iterables
2. Iterators
3. Generators

②



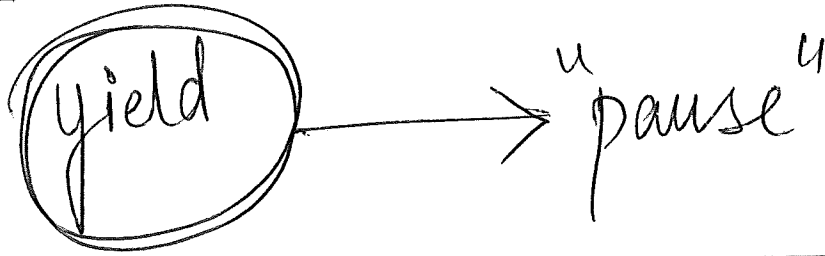
$it = \text{iter}(x)$

\downarrow \downarrow

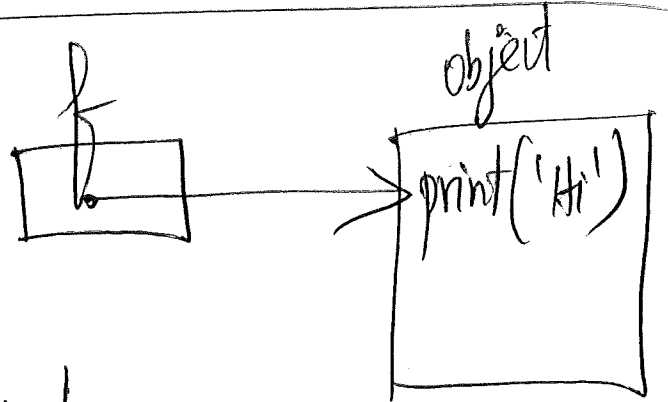
iterator. iterable

Generators

③

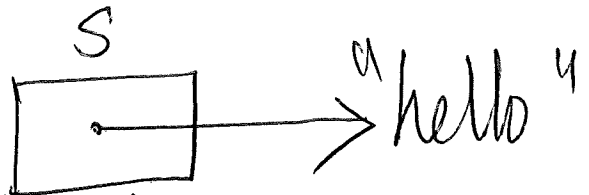


```
def f():  
    print('Hi')
```



Functions are objects!

```
s = "hello"
```



Can we pass a func to another func?

YES!