

# Agenda

① Functional programming

② Lambda Function

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③ Higher Order Function  
    ↳ Decorators

X Next  
Session

Functional programming

```
out = list(map(lambda x: x**2, ll1))
```

① Functional programming is  
another programming Paradigm

② FP does not change state  
of input Data

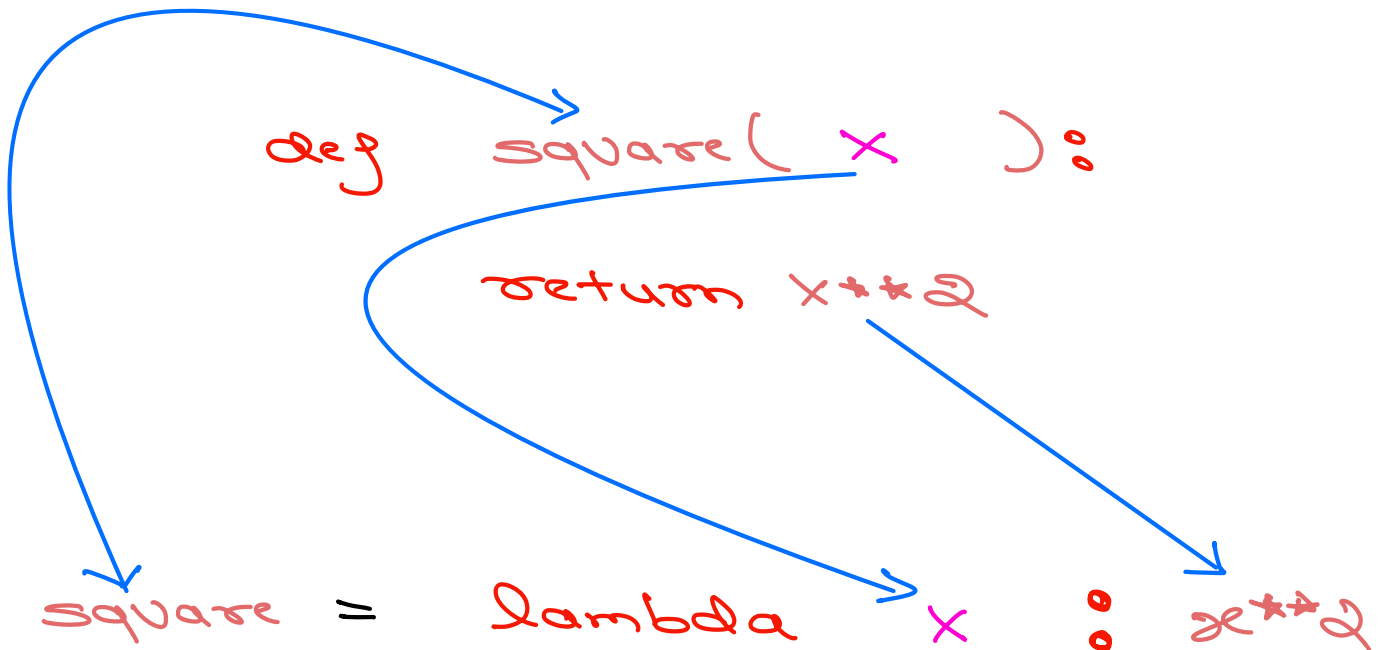
③ It focuses on what to do  
instead of How?

## FP advantages

- ① Concise
- ② Efficient
- ③ More Maintainable

## Lambda Functions

also known as anonymous Functions



## Syntax

Lambda <sup>o</sup>inputs : <sup>o</sup>Outputs

lambda  $x$  : "output1" if condition  
else "output2"