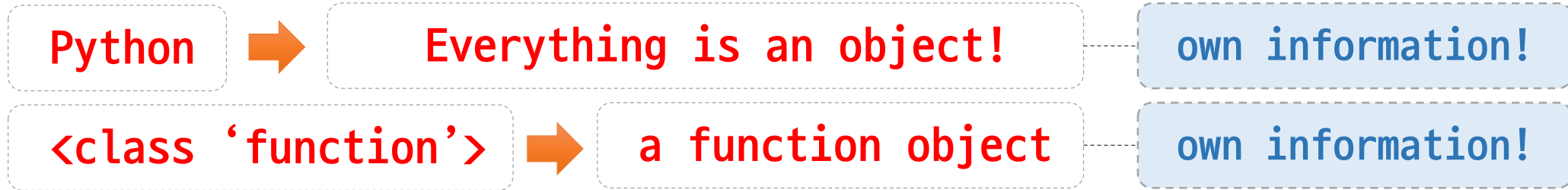


Awww?!

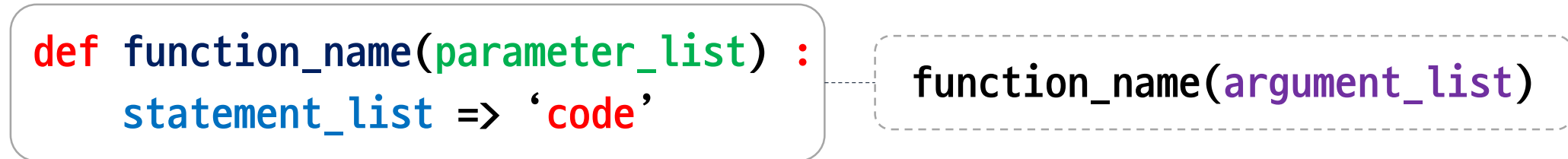
In python,
“Deep inside of Function”

YOON SO YOUNG
imbgirl@naver.com

‘Inside of Function 1/4’

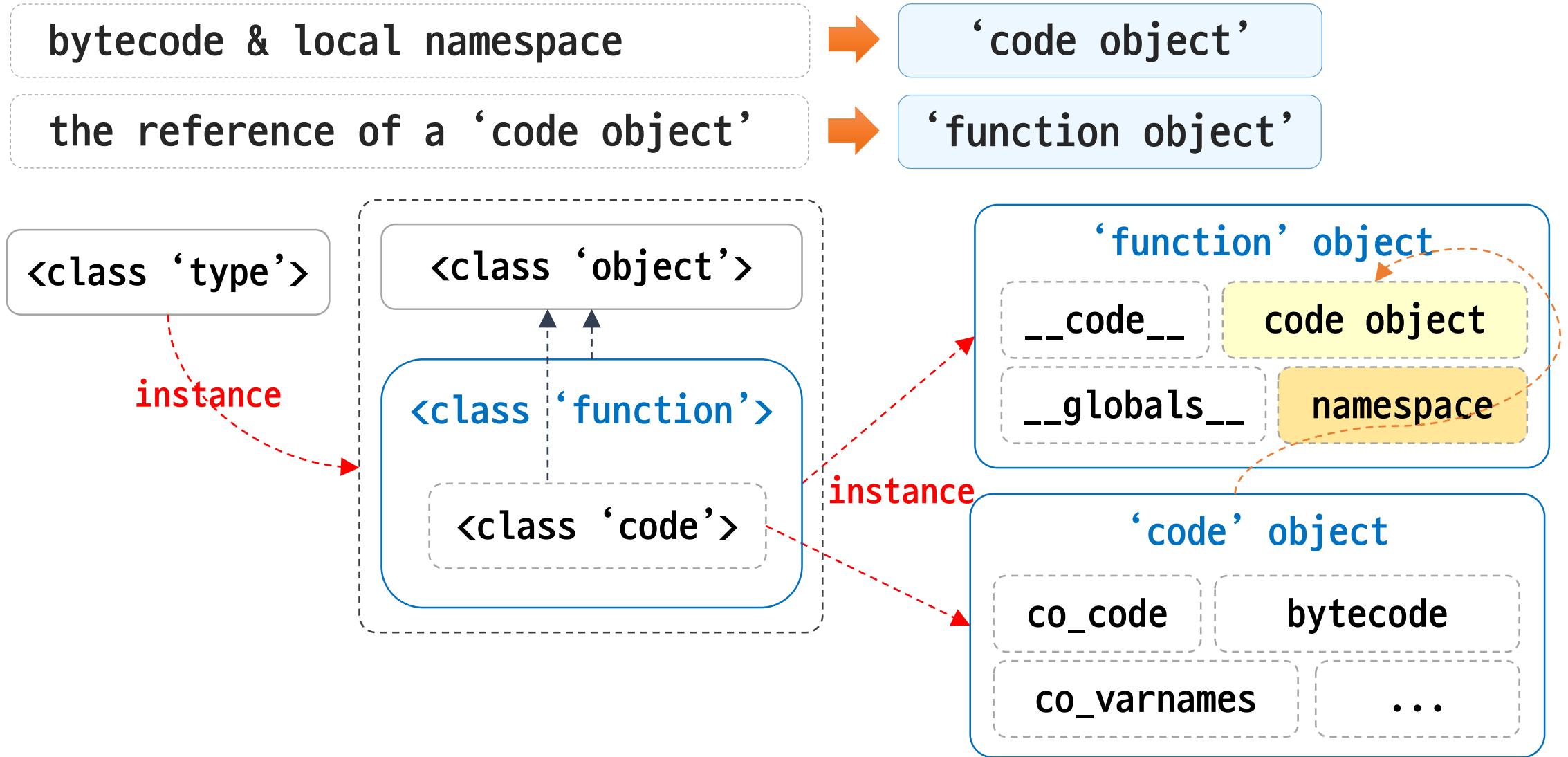


- Let's see the Function definition in Python



- What kind of information a function should have?
 - ✓ `__name__`, parameters, `__code__` (bytecode + local namespace)
 - ✓ `__globals__` (global namespace)
 - ✓ `__closure__` (to use outer function local namespace)

'Inside of Function 2/4'



‘Inside of Function 3/4’

- Attributes list of a **function** object

- 1 `__doc__`
- 2 `__name__`
- 3 `__annotations__`
- 4 `__defaults__`
- 5 `__kwdefaults__`
- 6 `__globals__`
- 7 `__code__`

```
name='soyoung'  
def F1(a, b = 's', *, c, d=2) -> list:  
    x = 10 + 20 + int('30')  
    return [a, b, c, d]
```

```
print(F1.__name__) # print
```

<https://docs.python.org/ko/3/library/inspect.html#types-and-members>

‘Inside of Functions 4/4’

- Attributes list of **code**

- 1 co_code
- 2 co_name
- 3 co_nlocals
- 4 co_varnames
- 5 co_consts
- 6 co_kwonlyargcount

```
name='soyoung'  
def F1(a, b = 's', *, c, d=2) -> list:  
    x = 10 + 20 + int('30')  
    return [a, b, c, d]
```

```
print(F1.__code__.co_name) # print
```

<https://docs.python.org/ko/3/library/inspect.html#types-and-members>