

Awww?!

In python,

**“Time stamp of namespaces”**

YOON SO YOUNG

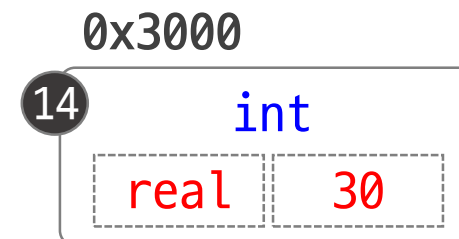
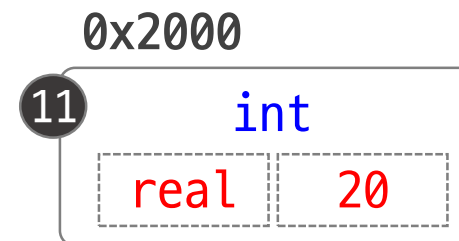
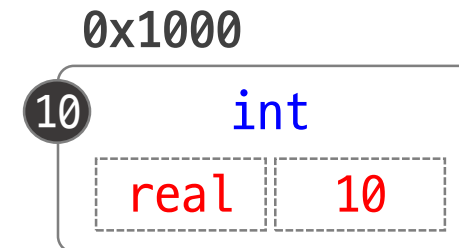
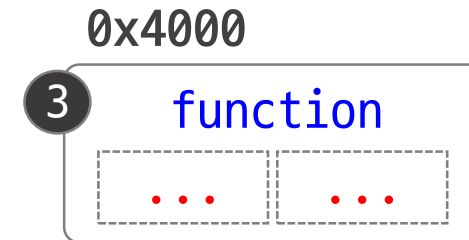
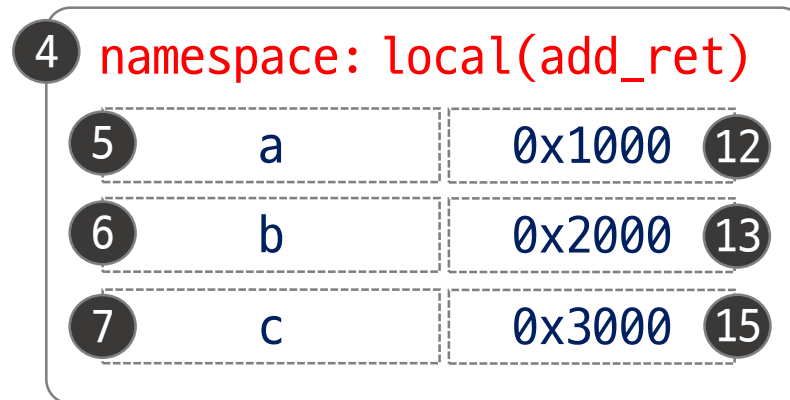
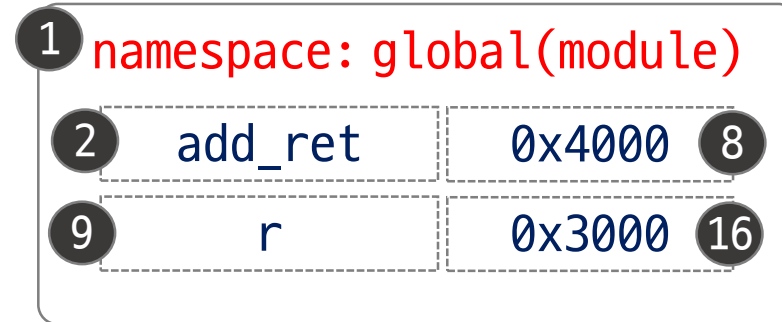
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# 'Time stamp of namespaces 1/3'

- Let's see the time stamp of namespaces!

```
def add_ret(a, b):
    c = a + b
    return c

r = add_ret(10, 20)
```



# ‘Time stamp of namespaces 2/3’

- What would be displayed on the screen?

```
value = 3
def add_num1(num=1):
    value = value + num

def add_num2(num=1):
    print(value)
    value = value + num
    print(value)
```

```
print(value)
add_num1()
add_num2()
print(value)
```

**UnboundLocalError:**  
**local variable 'value' referenced before assignment**

# 'Time stamp of namespaces 3/3'

- What would be displayed on the screen?

```

value = 3
def add_num1(num=1):
    value = value + num

def add_num2(num=1):
    print(value)
    value = value + num
    print(value)

print(value)
add_num1()
add_num2()
print(value)

```

namespace: global(module)

value	0x1000
add_num1	0x4000
add_num2	0x5000

namespace: local(add\_num1)

num	0x2000
value	

namespace: local(add\_num2)

num	0x2000
value	

0x1000

int	
real	3

0x2000

int	
num	1

0x4000

function	
...	...

0x5000

function	
...	...